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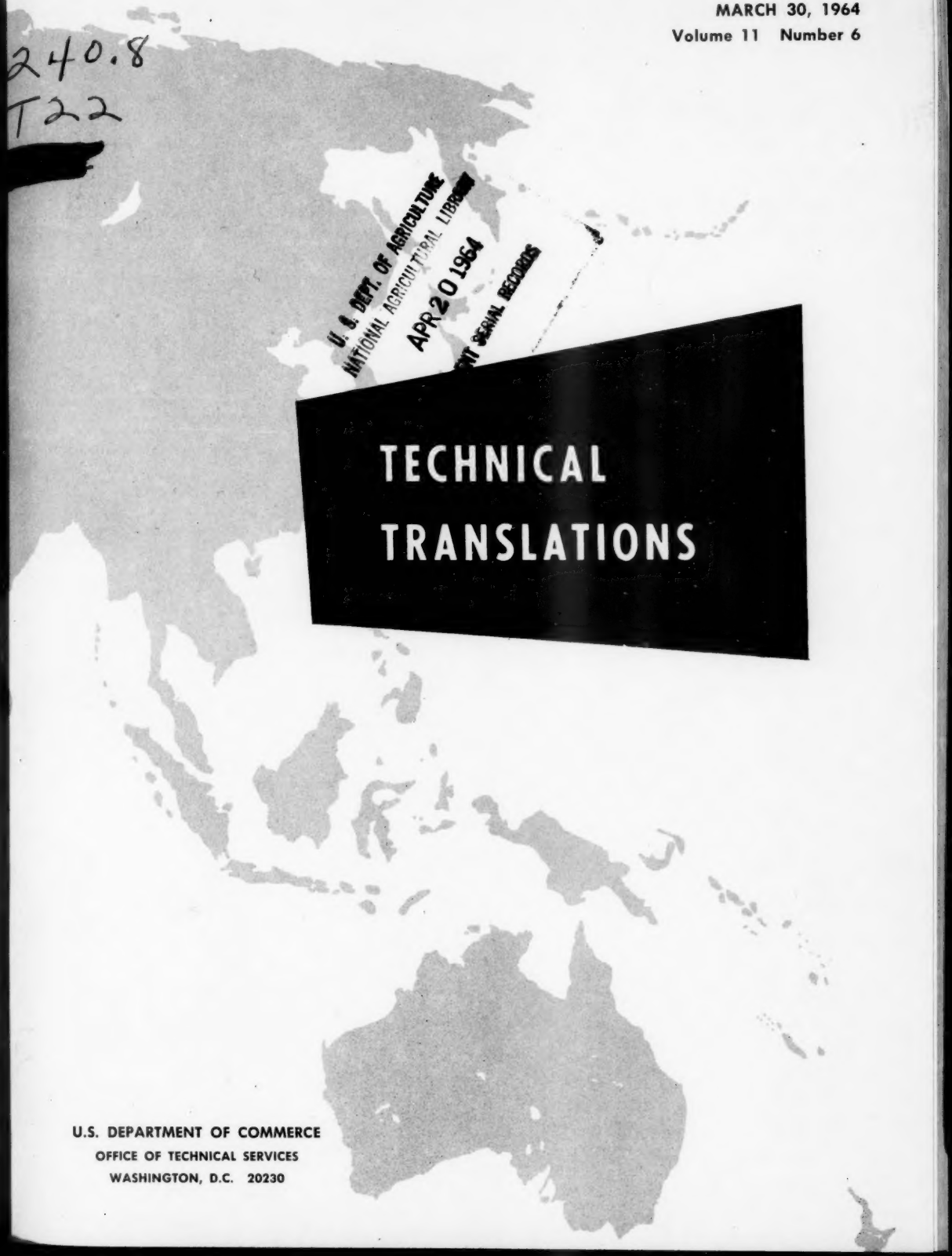

TECHNICAL TRANSLATIONS

U.S. DEPARTMENT OF COMMERCE
OFFICE OF TECHNICAL SERVICES
WASHINGTON, D.C. 20230

TECHNICAL TRANSLATIONS

U.S. DEPARTMENT OF COMMERCE
Luther H. Hodges, Secretary

OFFICE OF TECHNICAL SERVICES
Donald A. Schon, Director

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References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

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Hollywood,
California 90046

AGI
AGI Translations Office
American Geological Institute
2101 ConstitutionAve., N. W.
Washington, D.C., 20000

AGS
American Geographical Society
Broadway at 156th Street
New York, New York 10032

AGU
American Geophysical Union
1515 Massachusetts Ave., N.W.
Washington, D.C. 20005

AIAA
American Institute of Aeronautics and Astronautics
500 Fifth Avenue
New York, New York 10036

AIBS
American Institute of Biological Sciences
2000 P Street, N.W.
Washington, D.C. 20006

AIP
American Institute of Physics
335 East 45th Street
New York, New York 10017

AIS
Argus Information Service
624 N. Eutaw Street
Baltimore, Maryland 21201

AM
Acta Metallurgica
122 East 55th Street
New York, New York 10022

AMS
American Mathematical Society
190 Hope Street
Providence, Rhode Island 02906

ANSP
Academy of Natural Sciences of Philadelphia
19th St. and the Parkway
Philadelphia, Pennsylvania 19103

API
Academic Press, Inc.
111 Fifth Ave.,
New York, New York 10003

ARS
American Rocket Society, Inc.
20th and Northampton Streets
Easton, Pennsylvania 18042

ATS
Associated Technical Services, Inc.
P. O. Box 271
East Orange, New Jersey 07017

BGIRA
British Glass Industry Research Association
Northumberland Road
Sheffield 10, England

BIHR
Circulation Manager
Translations of the Beltone Institute for Hearing Research
2900 West 36th Street
Chicago, Illinois 60632

BISI
British Iron & Steel Industry Translation Service
The Iron and Steel Institute
4, Grosvenor Gardens
London, S. W. 1, England

BWRA
British Welding Research Association
Abington Hall, Abington
Cambridge, England

CB
Consultants Bureau Enterprises Inc.
227 West 17th Street
New York, New York 10011

CCT
Consultants Custom Translations Inc.
227 West 17th Street
New York, New York 10011

CHP
Cleaver-Hume Press, Ltd.
31, Wright's Lane
London, W. 8, England

CID
Centro de Informacion y Documentacion
Patronato Juan de la Cierva,
Serrano 150, Apartado 743,
Madrid 6, Spain

CIDNT
Centralny Instytut Dokumentacji Naukowo-Technicznej
Warszawa 12
Aleja Niepodleglosci 188
Poland

CNP
Comitato Nazionale per la Produttivita
Service d'Information
Viale Regina Margherita N. 83D
Rome, Italy

CNRS
Centre National de la Recherche Scientifique
Centre de Documentation
15 Quai Anatole France
Paris 7, France

CSIRO
Commonwealth Scientific and Industrial Research Organization
Information Service
314 Albert Street
East Melbourne C. 2, Victoria
Australia

CTRA
The Librarian
The Coal Tar Research Association
Oxford Road
Gomersal, Leeds, England

CTS (Chem)
Chemical Translating Service
2243 Greer Road
Palo Alto, California 94300

CTT
Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600

DI
Circulation Unit
Department of the Interior
Central Library
Room 1149
Washington, D.C. 20240

DTC
Danish Translations Centre,
c/o Library of the Danish Atomic Energy Commission,
Riso. Roskilde, Denmark

EIS
Engineering Information Services
Kirkham, Preston, Lancashire,
England

ES
Erica Stux
584 Moreley Avenue
Akron, Ohio 44320

ETC
European Translations Centre
Doelenstraat 101, Delft,
The Netherlands

FASEB
Federation of American Societies for Experimental Biology
9650 Wisconsin Avenue
Washington, D.C. 20014

FRI
Fulmer Research Institute, Ltd.
Stoke Poges,
Buckinghamshire,
England

FT
Faraday Translations
15 Park Row
New York, New York 10038

GB
Gordon and Breach
Publishers, Inc.
150 Fifth Avenue
New York, New York 10011

GPO
Superintendent of Documents
Government Printing Office
Washington, D.C. 20402

GPRC
Geophysical & Polar Research Center
6021 S. Highland Road
Madison, Wisconsin 53706

HB
Henry Brutcher
P.O. Box 157
Altadena, California 91001

HMSO
Her Majesty's Stationery Office
P.O. Box 569
London, S.E. 1, England

HTCBN
Hungarian Trading Company for Books and Newspapers "Kultura"
Budapest 62, P.O. Box 149

ICE
International Chemical Engineering
345 East 47th Street
New York, New York 10017

IEEE
Institute of Electrical & Electronics Engineers
275 Madison Avenue
New York, New York 10016

INFOSERV
Infoserv
P.O. Box 217
West Hartford, Connecticut 06097

INT
International Patent Service N. V.
P. O. Box 101
's-Hertogenbosch,
The Netherlands

IP
Interscience Publishers, Inc.
250 Fifth Avenue
New York, New York 10001

IPST
Israel Program for Scientific Translation
14 Shammai Street
P.O. Box 7145
Jerusalem, Israel

ISA
Instrument Society of America
530 William Penn Place
Pittsburgh, Pennsylvania 15219

K-H
Kresge-Hooker Science Library Associates
Wayne State University
Detroit, Michigan 48202

LAND-AIR
Land-Air, Inc.
Pacific Missile Range
Point Mugu, California 95468

LC
Photoduplication Service
Publication Board Project
Library of Congress
Washington, D.C. 20540

LSA
Literature Service Associates
Route 1
Bound Brook, New Jersey 08805

MACL
Maclaren and Sons, Ltd.
Maclaren House
131 Great Suffolk Street
London, S.E. 1, England

MACM
Macmillan Co.
60 Fifth Avenue
New York, New York 10011

MDF
Morris D. Friedman
7553 Waterford Drive
San Jose, California 95129

MT
M. de O. Tollemache
Pennyford Cottage,
Burrington,
Umberleigh, Devon, England

MUL
Mulholland Engineering Translations
26 Burton Woods Lane
Cincinnati, Ohio 45229

NASA
National Aeronautics and Space Administration
1520 H Street, N. W.
Washington, D.C. 20546

NRCC
National Research Council
Library
Ottawa 2, Canada

OB
Oliver & Boyd, Ltd.
Tweeddale Court
14 High Street
Edinburgh 1, Scotland

OSA
Optical Society of America, Inc.
33 University Road
Cambridge, Massachusetts 02138

OTS
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(Also available through Department of Commerce Field Offices)

PERA
The Information Manager
Production Engineering Research Association
Melton Mowbray
Leicestershire, England

PLP
Plenum Press, Inc.
227 West 17th Street
New York, New York 10011

PP
Pergamon Press
122 East 55th Street
New York, New York 10022

PS
Primary Sources
11 Bleecker Street
New York, New York 10012

RIA
Research International Associates
1522 Connecticut Avenue, N. W.
Washington, D.C. 20006

RIS
Research Information Service
Div. of Maxwell Scientific International, Inc.
122 East 55th Street
New York, New York 10022

RIS
Research Information Service
Div. of Pergamon International Corp.
122 East 55th Street
New York, New York 10022

SA
Seizaburo Aoki
1069 Minami Nakadori 2-chome
Fujisawa, Japan

SIAM
Business Manager
SIAM Publications
Box 7541
Philadelphia, Pennsylvania 19100

SIC
Scientific Information Consultants Limited
661 Finchley Road
London N. W. 2, England

SLA
SLA Translations Center
The John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

ST
Scripta Technica, Inc.
1000 Vermont Avenue, N.W.
Washington, D.C. 20005

STS
Scientific Translation Service
1938 Verdugo Knolls Drive
Glendale, California 91200

STT
SCIENTECH, Scientific & Technical Translations
P. O. Box 3530
Cleveland, Ohio 44118

TF
Taylor and Francis Ltd.
Red Lion Court, Fleet Street
London, E. C. 4, England

TDL
Mr. John Wiley
Technical Development Laboratories
P. O. Box 769
Savannah, Georgia 31400

TIB
Technische Informationsbibliothek
Am Welfengarten 1,
Hannover, West Germany

TIC
Technical Information Company
Patents Department
Chancery House
Chancery Lane
London, W.C. 2, England

TTIS
Translation & Technical Information Services
32 Manaton Road
London, S. E. 15, England

WBI
Warren Birkenhead, Inc.
901 Northern Life Tower
Seattle, Washington 98101
or
No. 25, 2-Chome, Shiba Hamamatsu-Cho
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Volume 11, Number 6 Pages 361 - 437 March 30, 1964

BIBLIOGRAPHY

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AGRICULTURE

USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 103. 23 Dec 63, 15p JPRS: 22433.
Order from OTS $0.50 TT-64-21104

Trans. of 44 short articles and news items from Nov-Dec 63 issues of various Russian language publications.

USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 108. 8 Jan 64, 19p JPRS: 22639.
Order from OTS $0.75 TT-64-21226

Trans. of 3 articles from Oct-Nov 63 issues of Russian journals and newspapers. (Abstract available)

Chudnovskii, A. F.
ENERGY-BALANCE STUDIES AS RELATED TO THE IRRIGATION OF AGRICULTURAL CROPS (Energeticheskii Metod Izucheniya Voprosov Orosheniya Sel'skokhozyaistvennykh Kul'tur). 1963, 20p 13refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 142-161)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Giller, S.
CHEMISTRY TO SERVE AGRICULTURE. 24 Dec 63, 4p JPRS: 22455 (p. 24-27)
Order from OTS $2.50 in TT-64-21121 (p. 24-27)

Trans. from Sovetskaya Latviya (Latvian SSR) 1963, 15 Oct, p. 2.

Leskov, A.
ROLE OF FERROUS METALLURGY IN THE PRODUCTION OF MINERAL FERTILIZERS AND CHEMICAL AGENTS. 9 Jan 64, 3p JPRS: 22671 (p. 55-57).
Order from OTS $2.25 in TT-64-21248 (p. 55-57)

Trans. from Ekonomicheskaya Gazeta (USSR) 1963, no. 43(116) p. 13.

Selyaninov, G. T.
THE INTERPRETATION OF DROUGHT AND SUKHOVEI IN AGRONOMY AND THEIR DISTRIBUTION IN THE ETS (Agronomicheskoe Ponimanie Zasukhi i Sukhoveya i Ikh Rasprostranenie na Evropeiskoi Territorii USSR). 1963, 9p 6refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 14-22)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Animal Husbandry

Akulova, M. F.
BIOLOGICAL METHOD OF DIAGNOSIS OF ANTHRAX (Biologicheskii Metod Diagnostiki Sibirskoi Yazvy).
8 Jul 63, 8p Trans. V-1841.
Order from OTS, SLA, or ETC $1.10 TT-63-23662

Trans. of Veterinariya (USSR) 1963, v. 40, no. 5, p. 58-61. (Abstract available)

Breev, K. A.
BEHAVIOR OF BLOODSUCKING DIPTERANS AND GADFLIES IN ATTACKING REINDEER AND RESPONSE REACTION OF REINDEER. II. HERD FORMATION IN THE REINDEER AS A FACTOR IN PROTECTION AGAINST ATTACKS OF BLOODSUCKING PESTS AND GADFLIES, tr. by P. DePorte.
29 Jul 63, 16p 31refs NIH no. 7-48-63.
Order from OTS, SLA, or ETC $1.60 TT-63-23704

Trans. of Parazitologicheskii Sbornik (USSR) 1951, v. 13, p. 343-354. (Abstract available)
Another trans. is available from SLA as R-4593.

Kolomakin, G. A., Ivanova, K. V., and Bzhevskaya, A. N.
CONCERNING THE PROBLEM OF SEROLOGICAL DIAGNOSIS OF BRUCELLOSIS IN COWS (K Voprosu Serologicheskoi Diagnostiki Brutselleza u Korov).
12 Sep 63, 4p Trans. V-1854.
Order from OTS, SLA, or ETC $1.10 TT-63-23915

Trans. of Veterinariya (USSR) 1962, v. 39, no. 12, p. 61-62.

Leont'ev, A. I.
DETECTION METHODS OF THE TULAREMIA PATHOGEN IN FEEDS (Metody Indikatsii Vozbuditelya Tulyaremii v Kormakh). 8 Jul 63, 10p Trans. V-1842.
Order from OTS, SLA or ETC $1.10 TT-63-23661

Trans. of Veterinariya (USSR) 1963, v. 40, no. 5, p. 64-67. (Abstract available)

Rostovtseva, I. A. and Salazhov, E. L.
EFFECT OF IDENTITY OF ANTIGENIC CHARACTERISTICS OF EPIZOOTIC AND INDUSTRIAL STRAINS OF THE FOOT-AND-MOUTH DISEASE VIRUS IN SPECIFIC PROPHYLAXIS (Znachenie Identichnosti Antigennykh Svoistv Epizooticheskikh i Proizvodstvennykh Shtammov Virusa Yashchura v Spetsificheskoi Profilaktike). 19 Aug 63, 16p Trans. V-1844
Order from OTS, SLA, or ETC $1.60 TT-63-23689

Trans. of Veterinariya (USSR) 1963, v. 40, no. 3, p. 17-23. (Abstract available)

Selivanov, A. V.
EXPERIMENT IN AEROSOL IMMUNIZATION OF SHEEP AGAINST BRUCELLOSIS (Opyt Aerozol'noi Immunizatsii Ovets Protiv Brutselleza). 8 Aug 63, 10p Trans-V-1840.
Order from OTS, SLA, or ETC $1.10 TT-63-23660

Trans. of Veterinariya (USSR) 1963, v. 40, no. 2, p. 24-27. (Abstract available)

Plant Cultivation

Andreev, S. V. and Martens, B. K.
PLANT PROTECTION THROUGH BIOPHYSICS [AND] BIOPHYSICAL LABORATORY OF THE GEORGIAN INSTITUTE OF PLANT PROTECTION. 23 Dec 63, 10p JPRS: 22434.
Order from OTS $0.50 TT-64-21105

Trans. of Zashchita Rastenii ot Vreditelei i Boleznei (USSR) 1963 [v. 8] no. 10, p. 10-13.

Grebennikov, P. E.
MATERIAL ON THE ORIGIN OF WINTER BARLEY (Materialy k Voprosu o Proiskhozhdenii Ozimogo Yachmenya). 1963, 15p 24refs PL-480 Agr.
Order from OTS $0.50 TT-63-11041

Trans. of Sel'skokhozyaistvennyi Institut, Krasnodar. Izvestiya (USSR) 1935, v. 1, p. 65-79.

Kovacevic, P., Kurtagic, M., Mihalic, V., and Hranilovic, J.
THE SOILS OF MEDJIMURJE AND THEIR USE IN AGRICULTURE
V. Barac, tr. 1963, 74p 22refs PL-480 Agr.
Order from OTS $0.75 TT-60-21622

Trans. of mono. Tla Medjimurja i Nijhovo Iskoristavanje u Poljoprivredi, Zagreb, 1956, 73p. (Abstract available)

Litynski, Marian and Urbaniak, Zbigniew.
OBSERVATIONS ON THE INFLUENCE OF LIGHT ON SEEDS OF CERTAIN PLANT SPECIES DURING STORAGE (Obserwacje nad Wplywem Swiatla na Nasiona Niektorych Gatunkow Roslin W Czasie ich Przechowywania)
A. Radziwill, tr. 1963, 41p 12refs PL-480 Agr.
Order from OTS $0.50 TT-61-31254

Trans. of Hodowla Roslin, Aklimatyzacja i Nasiennictwo (Poland) 1958, v. 2, no. 1, p. 21-66. (Abstract available)

Miljkovic, N.
UTILIZATION AND IMPROVEMENT OF SALINE AND ALKALI SOILS
D. Arandjelovic, tr. 1963, 91p 59refs PL-480Agr.
Order from OTS $0.75 TT-60-21619

Trans. of mono. Iskoriscavanje i Popravljanje Slatina, Belgrade, 1955 [103p]. (Abstract available)

Nikolyuk, V. F. and Mavlyanova, M. I.
SIGNIFICANCE OF PRESOWING TREATMENT OF COTTON SEEDS WITH PROTISTA IRRADIATED WITH GAMMA-RAYS OF Co^{60}. 21 Nov 63, 5p 11refs JPRS: 21996.
Order from OTS $0.50 TT-63-41211

Trans. of Uzbekskii Biologicheskii Zhurnal (USSR) 1963, v. 7, no. 4, p. 59-61. (Abstract available)

Wilkojc, Anna and Cienska, Krystyna.
OBSERVATIONS ON WATER CONTENT VARIATIONS IN MAIZE EARS IN THE PROCESS OF DRYING (Obserwacje nad Zmiennoscia Wilgotnosci Kolb Kukurydzy w Procesie Suszenia) A. Radziwill, tr. 1965, 33p 13refs PL-480 Agr.
Order from OTS $0.50 TT-61-31291

Trans. of Hodowla Roslin, Aklimatyzacja i Nasiennictwo (Poland) 1959, v. 3, no. 5, p. 597-636. (Abstract available)

ASTRONOMY

Astrophysics

Dimov, N. A.
MODULATION OF THE PHOTOMULTIPLIER AMPLIFICATION FACTOR IN THE MEASUREMENT OF WEAK LIGHT FLUXES (Primenenie Modulyatsii Koeffitsienta Usileniya Fotoumnozhitelya dlya Izmereni Izmereniya Slabykh Svetovykh Potokov). Jan 64 [5p] 2refs
Order from OTS $0.50 NASA-TT-F-137

Trans. of [Akademiya Nauk SSSR]. Krymskaya Astrofizicheskaya Observatoriya. Izvestiya, 1960, v. 22, p. 9-11. (Abstract available)

Khokhlov, M. Z.
AN ESTIMATE OF THE UPPER LIMIT OF THE LEAD CONTENT IN THE SOLAR ATMOSPHERE FROM THE INFRARED LEAD LINE λ 7229 (Otsenka Verkhnei Granitsy Soderzhaniya Svintsa v Atmosfere Solntsa po Infrakrasnoi Linii Svintsa λ 7229). 1963, 5p 11refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 182-186)

Trans. of [Akademiya Nauk SSSR]. Krymskaya Astrofizicheskaya Observatoriya. Izvestiya, 1960, v. 22, p. 128-133. (Abstract available)

Khokhlov, M. Z.
EXPERIMENTAL DETERMINATION OF OSCILLATOR STRENGTHS OF LEAD LINES BY THE ABSORPTION METHOD (Experimental'noe Opredelenie Sil Ostsillyatorov Linii Svintsa Metodom Pogloshcheniya). 1963, 9p 7refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 173-181)

Trans. of [Akademiya Nauk SSSR]. Krymskaya Astrofizicheskaya Observatoriya. Izvestiya, 1960, v. 22, p. 118-127. (Abstract available).

Mitroganova, L. A.
DETERMINATION OF RELATIVE gnf VALUES FOR NICKEL BY THE EMISSION METHOD (Orpedelenie Otnositel'nykh Chisel gnf Nikelya po Liniyam Izlucheniya). 1963, 4p 6refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 187-190)

Trans. of Glavnaya Astronomicheskaya Observatoriya [Pulkovo]. Izvestiya (USSR) 1960 [v. 21, no. 4] (163) p. 185-189. (Abstract available).

Nikitin, A. A.
APPROXIMATE ESTIMATES OF CERTAIN ATOMIC PARAMETERS OF Ca^+ NEEDED IN ASTROPHYSICAL CALCULATIONS (Priblizhennye Otsenki Nekotorykh Kharakteristik Ca^+ Imeyushchikh Primenenie pri Astrofizicheskikh Raschetakh). 1963, 11p 8refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 130-140)

Trans. fo Leningrad U. Uchenye Zapiski (USSR) 1957, no. 190, p. 3-17. (Abstract available)

Nikitin, A. A.
FORBIDDEN Ca^+ LINES IN THE SOLAR SPECTRUM (O Zapreshchennykh Liniyakh Ca^+ v Spektre Solntsa). 1963, 3p 5refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 113-115)

Trans. of Akademiya Nauk SSSR. Doklady, 1954, v. 98, no. 1, p. 31-33.
Another trans. is available from SLA as RT-2961, 4p.

Nikitin, A. A.
AN INVESTIGATION OF THE RECOMBINATION SPECTRUM OF N III IN ENVELOPES OF STARS AND NEBULAE. V. DETERMINATION OF APPROXIMATE TRANSITION PROBABILITIES AND ABSORPTION COEFFICIENTS FOR THE LEVELS OF THE CONFIGURATIONS $1s^22s^2nl$ AND $1s^22s2p(^1,^3P)nl$ IN N III (Issledovanie Rekombinatsionnogo Spektra N III v Obolochkakh Zvezd i Tumannostei. V. Opredelenie Priblizhennykh Znachenii Veroyatnostei Perekhodov i Koeffitsientov Pogloshcheniya dlya Energeticheskikh Urovnei N III Konfiguratsii $1s^22s^2s^2nl$ i $1s^22s2p(^1,^3P)nl$). 1963, 24p 11refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 235-258)

Trans. of Leningrad U. Vestnik (USSR) 1962 [v. 17] no. 13 [Seriya Matematiki, Mekhaniki, i Astronomii, no. 3] p. 113-137. (Abstract available)

Ruskol, E . L.
ON THE FORMATION OF INTERPLANETARY DUST CONDENSATION AROUND THE EARTH. Aug 63 [11p] 10refs
Order from OTS, SLA, or ETC $1.60 TT-63-20154

Trans. of [Iskusstvennye Sputniki Zemli] (USSR) 1962, v. 12, p. 145-150. (Abstract available)

Stepanov, V. E.
DETERMINATION OF THE MAGNETIC FIELD GRADIENT IN THE SOLAR PHOTOSPHERE (Opredelenie Gradienta Magnitnogo Polya v Fotosfere Solntsa). Jan 64 [12p] 6refs
Order from OTS $0.50 NASA-TT-F-138

Trans. of [Akademiya Nauk SSSR]. Krymskaya Astro-Fizicheskaya Observatoriya. Izvestiya, 1960, v. 22, p. 42-48.

Stepanov, V. E. and Gopasyuk, S. I.
ON THE STRUCTURE OF MAGNETIC FIELDS IN THE ACTIVE REGION OF THE SUN (K Strukture Magnitnykh Polei v Aktivnoi Oblasti Solntsa). Jan 64, 38p 30refs
Order from OTS $1.00 NASA-TT-F-144

Trans. of Akademiya Nauk SSSR. Krymskaya Astrofizicheskaya Observatoriya. Izvestiya, 1962, v. 28, p. 194-223. (Abstract available)

BEHAVIORAL SCIENCES

Human Engineering

Medvedev, S.S.
QUELQUES LOIS RELATIVES AU TRAVAIL D'UN OPERATEUR (Concerning Certain Laws Govering the Functioning of a Human Operator). 31p. 8refs. CNRS-XV 71.
Order from OTS, ETC or CNRS $1.15 TT-62-28202

Trans. in French of *Avtomatika i Telemekhanika (USSR) 1956, v.17, no.3, p.985-999.

Personnel and Training

BIOGRAPHIES OF SOVIET SCIENTISTS. 30 Dec 63, 52p JPRS: 22494.
Order from OTS $1.50 TT-64-21149

Trans. of 16 biographical sketches from 1963 issues of various Soviet journals.

Separate entries have been prepared for the individual articles.

NEW MEMBERS OF THE POLISH ACADEMY OF SCIENCES. 14 Jan 64, 21p JPRS: 22733.
Order from OTS $0.75 TT-64-21290

Trans. of Nauka Polska, 1962, v. 10, no. 5[41] p. 138-149.

A series of biographical sketches.

Psychology

Gruhle, Hans W.
EGO QUALITY AND IMPULSE EXPERIENCE (Ichqualität und Impulserlebnis). [1963] [13p]
Order from SLA $1.60 TT-64-10015

Trans. of Psychologische Forschung (West Germany) 1949, v. 23, p. 1-9.

Leites, N. S.
EXPERIMENT IN THE PSYCHOLOGICAL CHARACTERISTICS. 20 Dec 63, 57p 11refs JPRS: 22405
Order from OTS $1.50 TT-64-21091

Trans. of mono. Tipologicheskie Osobennosti Vysshei Nervnoi Deyatel'nosti Cheloveka (Typological Characteristics of Human Higher Nervous Activity) Moscow, 1956, p. 267-303.

BIOLOGICAL SCIENCES

ABSTRACTS FROM EAST EUROPEAN SCIENTIFIC AND TECHNICAL JOURNALS NO. 389 (BIOLOGY AND MEDICINE SERIES). 23 Dec 63, 26p JPRS: 22437.
Order from OTS $0.75 TT-64-21108

Consists of abstracts of articles from the scientific and technical journals of Czechoslovakia.

ABSTRACTS FROM EAST EUROPEAN SCEINTIFIC AND TECHNICAL JOURNALS NO. 391 (BIOLOGY AND MEDICINE SERIES). 30 Dec 63, 28p JPRS: 22481.
Order from OTS $0.75 TT-64-21138

Consists of abstracts of articles from the scientific and technical journals of Bulgaria.

ABSTRACTS FROM EAST EUROPEAN SCIENTIFIC AND TECHNICAL JOURNALS NO. 392 (BIOLOGY AND MEDICINE SERIES). 30 Dec 63, 25p JPRS: 22485.
Order from OTS $0.75 TT-64-21141

Consists of abstracts of articles from the scientific and technical journals of Yugoslavia.

ABSTRACTS FROM EAST EUROPEAN SCIENTIFIC AND TECHNICAL JOURNALS NO. 393 (BIOLOGY AND MEDICINE SERIES). 30 Dec 63, 27p JPRS: 22487.
Order from OTS $0.75 TT-64-21143

Consists of abstracts of articles from the scientific and technical journals of Czechoslovakia and Yugoslavia.

AVGUST ANDREEVICH LETAVET. 30 Dec 63, 3p JPRS: 22494 (p. 21-23)
Order from OTS $1.50 in TT-64-21149 (p. 21-23)

Trans. of Gigiena i Sanitariya (USSR) 1963 [v. 28] no. 5, p. 128-129.

BORIS PAVLOVICH KHVATOV (ON OCCASION OF HIS 60TH BIRTHDAY AND 35TH ANNIVERSARY OF HIS MEDICAL, SCIENTIFIC, PEDAGOGICAL AND PUBLIC ACTIVITY). 30 Dec 63, 3p JPRS: 22494 (p. 18-20)
Order from OTS $1.50 in TT-64-21149 (p. 18-20)

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963 [v. 44] no. 2, p. 112-113.

LIFE SUPPORT SYSTEMS. A. BIOSCIENCES: SOVIET LITERATURE. Rept. no. 16 on AID Work Assignment no. 22. 22 Aug 63 [27p] 8refs AID Rept. P-63-108.
Order from OTS, SLA, or ETC $2.60 TT-63-23812

Contents:
Space Medicine and biology
Space physiology.

NIKOLAI IVANOVICH GRIGOR'EV (ON OCCASION OF HIS 60TH BIRTHDAY AND THE 35TH ANNIVERSARY OF HIS SCIENTIFIC, PEDAGOGICAL AND PUBLIC ACTIVITY). 30 Dec 63, 3p JPRS: 22494 (p. 15-17)
Order from OTS $1.50 in TT-64-21149 (p. 15-17)

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963 [v. 44] no. 2, p. 114-115.

Epifanova, O. I., Zosimovskaya, A. I., Lomakina, L. Ya., Grushina, N. V., and Smolenskaya, I. N.
A COMPARATIVE STUDY OF THE DURATION OF MITOSIS AND INTERKINESIS IN MOUSE TISSUES BY MEANS OF COLCHICINE AND IRRADIATION. [1963] [11p] 12refs
FASEB Manuscript no.: S 247-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24494

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 1, p. 96-100. (Abstract available)

Jensen, F. C. and Pawlowski, A.
TISSUE CULTURE OF SKIN CELLS OF ADULTS AND FETUSES. 1963, 8p 41refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 403-410)

Trans. from Przeglad Dermatologiczny (Poland) 1962, v. 49, no. 6, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 403-410. (Abstract available)

Polyanskii, Yu. N.
THE SUBJECT AND METHODS OF MODERN BIOPHYSICS. 21 Jan 64, 7p JPRS: 22830.
Order from OTS $0.50 TT-64-21349

Trans. of Voprosy Filosofii (USSR) [1963] v. 17, no. 6, p. 155-158.

Salganik, R. I., Trukhachev, A. A., Morozkin, N. I., and Khersonskaya, R. Ya.
ACTION OF DEOXYRIBONUCLEASE ON THE PROPAGATION OF ADENOVIRUS IN TISSUE CULTURE [AND] CLINICAL TESTING OF DEOXYRIBONUCLEASE IN ADENOVIRAL CONJUCTIVITIS. 27 Nov 63, 10p 36refs JPRS: 22050; N64-12883.
Order from OTS $05.0 TT-63-41240

Trans. of Akademiya Nauk SSSR. Sibirskoe Otdelenie. Izvestiya, 1963, no. 8, Seriya Biologo-Meditsinskikh Nauk, no. 2, p. 99-107.

Sheputo, L. L.
PROBLEMS OF DIALECTICAL MATERIALISM AND MEDICINE: FOREWORD, SECTS. 6-7, CONTENTS. 13 Dec 63, 29p 23refs JPRS: 22287.
Order from OTS $0.75 TT-64-21019

Trans. of mono. Voprosy Dialekticheskogo Materializma i Meditsina, Moscow, 1963, p. 3-12, 231-251.

Vasil'ev, P. V., Voskresenskii, A. D., and Gazenko, O. G.
EXPERIMENTAL INVESTIGATIONS IN COSMIC PHYSIOLOGY. 16 Jul 63 [15p] 4refs FTD-TT-63-719.
Order from OTS, SLA, or ETC $1.60 TT-63-24140

Unedited rough draft trans. of A[kademiya] N[auk] SSSR Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 1, p. 15-23. (Abstract available)
Another trans. is available from OTS $2.25 in TT-63-21723, JPRS-18985, 30 Apr 63, 96p.

Anatomy and Physiology

Butenko, Lev Alekseevich.
ELECTROCARDIOGRAPHY IN SPORTS MEDICINE: FOREWORD, INTRODUCTION, CHAP. 1, CONCLUSION, CONTENTS. 31 Dec 63, 21p JPRS: 22508.
Order from OTS $0.75 TT-64-21154

Trans. of mono. Elektrokardiografiya v Sportivnoi Meditsine, Leningrad, 1963, p. 3-19, 124-126, 208.

Cherkes, V. O. and Martynenko, N. A.
CHANGES IN BIOPOTENTIALS OF THE CORTEX FOLLOWING HIGH-FREQUENCY RHYTHMIC STIMULATION OF THE CAUDATE NUCLEUS. [1963] [15p] (figs omitted) 18refs FASEB Manuscript no. S354-2.
Order from OTS, SLA, or ETC $1.60 TT-63-23901
figs. available on loan from OTS

Trans. of Fiziologichnyi Zhurnal (USSR) 1962, v. 8, no. 4, p. 481-487. (Abstract available)

Gibinski, K. and Kokot, E.
THE ROLE OF ALDOSTERONE IN THE MAINTENANCE OF WATER-ELECTROLYTE BALANCE. 1963, 7p 13refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 297-303)

Trans. of Polski Tygodnik Lekarski, 1963 [v. 18] no. 1 [p. 1-4], pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 297-303. (Abstract available)

Giorgio, A. M. di.
EWALD'S ENDOLYMPHATIC CURRENT PHENOMENA IN THE SEMICIRCULAR CANALS AS RELATED TO THE STATE OF CENTRAL EXCITABILITY
E. R. Hope, tr. Dec 63, 3p 7refs DSIS T 21 I.
Order from NRC NRC C-4629

Trans. of Società Italiana di Biologia Sperimentale. Bollettino, 1960, v. 36, p. 1160-1162. (Abstract available)

Giorgio, A. M. di and Giulio, L.
ON THE VALIDITY OF EWALD'S SECOND LAW IN MAMMALS: RESEARCHES ON THE EXTERNAL SEMICIRCULAR CANALS
E. R. Hope, tr. Dec 63, 3p 3refs DSIS T 22 I.
Order from NRC NRC C-4630

Trans. of Società Italiana di Biologia Sperimentale. Bollettino, 1960, v. 36, p. 1163-1165. (Abstract available)

Herman, E. and Krolikowska, W.
STUDIES ON EXTERNAL MANIFESTATIONS OF INTERNAL SPEECH. 1963, 7p 4refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 390-396)

Trans. from Neurologia, Neurochirurgia i Psychiatria Polska, 1963, v. 13, no. 1, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 390-396.

Khadzhiselimovich, Kh.
POSITION OF THE POSTERIOR SEMICIRCULAR CANAL IN MAN. [1963] [7p] 14refs FASEB Manuscript no.: S 157-2.
Order from OTS, SLA, or ETC $1.10 TT-63-24470

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 6, p. 84-87.

Litver, G. M. and Penteshina, N. A.
ON THE SPECIES SPECIFICITY OF ORGAN REGENERATION OF SKELETAL MUSCLES IN MAMMALS. [1963] [11p] 16refs FASEB Manuscript no.: S 246-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24493
figs. available on loan from OTS
Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 1, p. 88-92. (Abstract available)

Mamonets', T. M.
THE POTENTIAL OF THE DEGENERATING POSTERIOR CEREBROSPINAL ROOT OF THE CAT (Pro Potentsial Pererodkhuvanogo Zadn'ogo Spynnomozkovogo Korintsya Kishky). [1963] [13p] 20refs
FASEB manuscript no. S 343-2.
Order from OTS, SLA, or ETC $1.60 TT-63-24509
figs. available on loan from OTS
Trans. of Fiziologichnyi Zhurnal (USSR) 1962, v. 8, no. 1, p. 71-78. (Abstract available)

Mazzucconi, Michelangelo.
VISUAL ACUITY IN RELATION TO ILLUMINATION (L'Acuita Visiva in Rapporto dell'Illuminazione). [1961] [22p]
Order from SLA $2.60 TT-61-14299

Trans. of Arch[ivio] di Ott[almologia] (Italy) 1928, v. 35, no. 2, p. 49-71.

Murchakova, A. F. and Mishchenko, A. S.
THE STERNAL MARROW AND PERIPHERAL BLOOD PROTEINS OF HEALTHY PERSONS. [1963] [7p] 6refs
FASEB Manuscript no.: S 225-3.
Order from OTS, SLA, or ETC $1.10 TT-63-24484

Trans of Laboratornoe Delo (USSR) 1962, v. 8, no. 11, p. 15-17. (Abstract available)

Orlovskii, Yu. A.
THE BLOOD VESSELS OF THE MENISCI OF THE HUMAN KNEE JOINT. [1963] [13p] 38refs
FASEB Manuscript no. S 112-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24456
figs. available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 12, p. 77-83.

Os'mak, A. A.
BEHAVIOR OF ALBINO RATS FOLLOWING DESTRUCTION OF THE BASAL GANGLIA. [1963] [13p] 11refs FASEB Manuscript no. : S 433-2
Order from OTS, SLA, or ETC $1.60 TT-63-24523
figs. available on loan from OTS
Trans. of Fiziologichnyi Zhurnal (USSR) 1962, v. 8, no. 5, p. 616-621. (Abstract available)

Pchelyakov, V. F.
EARLY STAGES IN THE DEVELOPMENT OF THE EYELIDS IN MAN. [1963] [12p] 12refs FASEB Manuscript no. : S 394-2.
Order from OTS, SLA, or ETC $1.60 TT-63-24521
figs. available on loan from OTS
Trans. of Arkhiv Anatomi, Gistologii i Embriologii (USSR) 1962, v. 43, no. 9, p. 83-87.

Scheglova, A. V.
OSMOTIC STABILITY OF LEUKOCYTES IN PERSONS SUBJECTED TO THE ACTION OF SOME OCCUPATIONAL HAZARDS. 4 Dec 63, 5p 6refs JPRS: 22122.
Order from OTS $0.50 TT-63-41280

Trans. of #Problemy Gematologii i Perelivaniya Krovi)USSR) 1963, v. 8, no. 10, p. 26-29. (Abstract available)

Shapiro, E. A.
THE SORPTION PROPERTIES OF NERVE DURING DEVELOPMENT OF A PESSIMUM IN A NERVE-MUSCLE PREPARATION. [1963] [8p] 11refs FASEB Manuscript no. S 123-3.
Order from OTS, SLA, or ETC $1.10 TT-63-24460

Trans. of Tsitologiya (USSR) 1962, v. 4, no. 4, p. 449-451. (Abstract available)

Tursunov, Z. T.
CORTICAL REGULATION OF THE WATER AND ELECTROLYTE BALANCE: CONCLUSION [AND] CONTENTS. 31 Dec 63, 8p JPRS: 22523; N64-12392.
Order from OTS $0.50 TT-64-21168

Trans. of mono. Korokovaya Regulyatsiya Vodno-Solevogo Obmena, Tashkent, 1963, p. 144-151.

Valueva, T. K.
CHANGES IN SERUM PROTEINS UNDER THE INFLUENCE OF ACTH IN CCl_4 POISONING OF THE LIVER. [1963] [16p] 12refs FASEB Manuscript no.: S 434-2.
Order from OTS, SLA, or ETC $1.60 TT-63-24525

Trans. of Fiziologichnyi Zhurnal (USSR) 1962, v. 8, no. 5, p. 622-629. (Abstract available)

Werbitzky, W. C.
NEW PRINCIPLE OF CONSTRUCTION OF THE REDUCED EYE. [1961] 6p (figs. omitted)
Order from SLA $1.10 TT-61-14442

Trans. of [Annales d'Oculistique (France) 1923 [v. 160] p. 652-657].

Yusevich, Yudif' Samoilovna.
ELECTROMYOGRAPHY OF HUMAN SKELETAL MUSCLE TONE IN THE NORMAL AND PATHOLOGICAL STATE: CONCLUSION AND TABLE OF CONTENTS. 17 Jan 64, 26p JPRS: 22782.
Order from OTS $0.75 TT-64-21319

Trans. of mono. Elektromiografiya Tonusa Skeletnoi Muskulatury Cheloveka v Norme i Patologii, Moscow, 1963, p. 109-129, 162.

Biochemistry

SOME PROBLEMS OF CELL CHEMISTRY.
21 Nov 63, 11p 16refs JPRS: 21980.
Order from OTS $0.50 TT-63-41195

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1963, v. 9, no. 5, p. 475-480, 550.
Separate entries have been prepared for the individual articles.

Agatova, A. I., Vartanyan, L. S., and Emanuel', N. M.
MECHANISM OF THE INTERACTION OF FREE RADICALS FORMED FROM INHIBITORS OF RADICAL PROCESSES: WITH PROTEIN SH-GROUPS. 21 Nov 63, 6p 12refs JPRS: 21992.
Order from OTS $0.50 in TT-63-41207 (p. 1-6)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 150, no. 3, p. 547-550. (Abstract available)
Another trans. is available from ATS $6.75 as ATS-53Q71R [1963] 4p.

Borisova, O. F., Kiselev, L. L., and Tumerman, L. A.
DETERMINATION OF THE DEGREE OF SPIRALIZATION OF TRANSPORT RNA BY THE FLUORESCENT PROPERTIES OF THEIR COMPLEXES WITH ACRIDINE DYES. 31 Dec 63, 7p 10refs JPRS: 22521; N64-12067.
Order from OTS $0.50 TT-64-21166

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 152, no. 4, p. 1001-1004.

Braunshtein, A. E., Vilenkina, G. Ya., and Brusova, L. V.
PYRIDOXAL PHOSPHATE PARTICIPATION IN ACTIVE AMINO-ACID TRANSPORT THROUGH CELL MEMBRANES. 21 Nov 63, 9p 16refs JPRS: 21980.
Order from OTS $0.50 in TT-63-41195 (p. 1-9)

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1963, v. 9, no. 5, p. 475-480. (Abstract available)

Erokhin, Yu. E. and Krasnovskii, A. A.
INVESTIGATING THE STATE AND CONVERSIONS OF PIGMENTS IN PURPLE AND GREEN PHOTOSYNTHETIZING BACTERIA. 10 Oct 63 [21p] 26refs FTD-TT-63-867
Order from OTS, SLA, or ETC $2.60 TT-64-13115

Unedited rough draft trans. of #Biofizika (USSR) 1963, v. 8, no. 4, p. 446-456. (Abstract available)

Kinoshita, K. and Nakajima, S.
STUDIES ON THE STRUCTURE OF ITACONITIN, I
H. Kondo, tr. 1963, 12p 4refs
NRC Technical Trans. 1096.
Order from NRC $1.00 NRC-C-4561

Trans. of [Hoshi Yakka Daigaku Kiyo] (Japan) 1958, v. 7, p. 17-25.

Logatkin, M. N.
SOME PECULIARITIES OF THE UTILIZATION OF ENDOGENIC FAT WITH PARTIAL FASTING AND PHYSICAL LOAD. 19 Nov 63 [15p] 16refs FTD-TT-63-1014.
Order from OTS, SLA, or ETC $1.60 TT-64-13174

Unedited rough draft trans. of Voprosy Pitaniya (USSR) 1963, v. 22, no. 5, p. 27-34. (Abstract available)

Mihailovic, Mihailo Lj., Antic, Mihailo, and Hadzijev, Dimitrije.
CHEMICAL INVESTIGATION OF WHEAT. 3. DYNAMICS OF VARIOUS FORMS OF PHOSPHORUS IN WHEAT DURING ITS ONTOGENESIS. RIBONUCLEIC ACID IN RIPE GRAIN OF DIFFERENT VARIETIES OF WHEAT. 1963, 14p 26refs PL-480 Comm.
Order from OTS $0.50 in TT-62-11757/4 (p. 41-54)

Trans. from [Srpsko] Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 4. (Abstract available)

Neiman, M.B.,
MÉTHODE CINÉTIQUE D'APPLICATION DES ATOMES MARQUÉES POUR L'ÉTUDE DU MÉCANISME DES PROCESSUS CHIMIQUES ET BIOCHIMIQUES COMPLEXES. I. THÉORIE DE LA MÉTHODE (Kineticheskii Metod Primeneniya Mechenykh Atomov dlya Issledovaniya Mekhanizma Slozhnykh Chimicheskikh i Biochimicheskikh Protsessov. I. Teoriya Metoda) (A Kinetic Tracer Method for Studying the Mechanisms of Complex Chemical and Biochemical Processes. I. Theory of the Method) 24p. (Foreign text included) 11refs. CNRS-VIII bis 560.
Order from OTS, ETC or CNRS $0.90 TT-62-28283

Trans. in French of Zhurnal Fizicheskoi, Khimii (USSR) 1954, v.28, no.7, p.1235-1242.
Another trans. is available in English from LC or SLA mi$2.40, ph$3.30 as TT-61-10529 [1960] 14p.

Ponomareva, M. M.
THE INFLUENCE OF THE CARBON DIOXIDE CONCENTRATION ON THE RATE OF PHOTOSYNTHESIS (Vliyanie Kontsentratsii Uglekisloty na Intensivnost' Fotosinteza). Aug 63 [24p] 38refs RTS-2310.
Order from OTS, SLA, or ETC $2.60 TT-63-24624

Trans. of [Akademiya Nauk SSSR]. Bot[anicheskii] Inst[itut]. Trudy: Ser[iya] IV [Eksperimental'naya Botanika] 1960, no. 14, p. 54-72. (Abstract available)

Rashba, O. Ya. and Zaichenko, O. M.
INVESTIGATION OF AMYLASE AND SUCRASE ACTIVITY OF MYCELIAL WASTES FROM THE PRODUCTION OF PENICILLIN AND STREPTOMYCIN. [1963] [10p] 4refs
FASEB Manuscript no.: S 229-3.
Order from OTS, SLA, or ETC $1.10 TT-63-24486

Trans. of Mikrobiologichnyi Zhurnal (USSR) 1962, v. 24, no. 6, p. 32-36. (Abstract available)

Ribina, A. O.
EFFECT OF 2,4-DINITROPHENOL ON THAMINE UPTAKE AND METABOLISM IN RABBIT LIVER. [1963] [10p] 15refs FASEB Manuscript no. S 396-2.
Order from OTS, SLA, or ETC $1.10 TT-63-23891

Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1962, v. 34, no. 1, p. 47-55. (Abstract available)

Silakova, A. I., Trush, G. P., and Yavilyakova, A.
MICROMETHOD OF DETERMINING AMMONIA AND GLUTAMINE IN TRICHLOROACETIC TISSUE. [1963] [17p] (figs refs omitted) 8refs FASEB Manuscript no. S 445-2.
Order from OTS, SLA or ETC $1.60 TT-63-23884
figs available on loan from OTS

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1962, v. 8, no. 5, p. 538-544. (Abstract available)

Uglov, A. A.
BIOCOMPLEXES AND THEIR SIGNIFICANCE: SYMPOSIUM [MOSCOW, NOV 62]. 21 Nov 63, 2p JPRS: 21980.
Order from OTS $0.50 in TT-63-41195 (p. 10-11)

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1963, v. 9, no. 5, p. 550.

Botany

Boichuk, O. B.
CONTENT OF GROWTH SUBSTANCES IN TOMATO PLANT ORGANS AS A FUNCTION OF NITROGEN NUTRITION (Vmist Rostovikh Rechovin v Organakh Pomidoriv Zalezhno Vid Azotnogo Zhivlennya). Aug 63 [18p] 5refs RTS-2218.
Order from OTS, SLA, or ETC $1.60 TT-63-24642

Trans. of Ukr[ayins'kyi] Botan[ichnyi] Zh[urnal] (USSR) 1960, v. 17, no. 1, p. 19-28. (Abstract available)

Kondrat'eva, N. V.
A NEW SPECIES OF CYANOPHYCEAE: ANABAENA SOLICOLA SP. N. (Novyi Vyd Syn'ozelenykh Vodorostei: Anabaena Solicola Sp. N.). Apr 63 [7p] 10refs RTS-2252.
Order from OTS, SLA, or ETC $1.10 TT-63-24639

Trans. of Ukrayins'kyi Botanichnyi Zhurnal (USSR) 1959, v. 16, no. 5, p. 77-79.

Lazarenko, A. S.
REMOTE DISPERSAL OF SPORES AND ITS IMPORTANCE ON THE FORMATION OF MOSS RANGES (Daleke Zanesennya Spor i Iogo Znachennya v Utvorenni Arealiv Mokhiv). Nov 63 [10p] 10refs RTS-2287.
Order from OTS, SLA, or ETC $1.10 TT-63-24631

Trans. of Ukrayins'kyi Botanichnyi Zhurnal (USSR) 1958, v. 15, no. 1, p. 71-77.

Low, Chen-huo.
TRANSMISSION OF EXCITATION BY ELECTRIC CURRENT IN PLANTS (O Peredache Razdrazheniya Elektricheskim Tokom u Rastenii). 1963, 10p 26refs PL-480 Agr.
Order from OTS $0.50 TT-63-11033

Trans. of Zhurnal Obshchei Biologii (USSR) 1958, v. 19, no. 5, p. 329-337. (Abstract available)

Moshkova, N. O.
TRENTEPOHLIA HYGROPHILA MOSCHK. SP. N., A NEW SPECIES IN THE GENUS TRENTEPOHLIA MART (Novyi Vid z Rudo Trentepohlia Mart. - Trentepohlia Hygrophila Moschk. sp. n.). Apr 63 [7p] 8refs RTS-2255.
Order from OTS, SLA, or ETC $1.10 TT-63-24636

Trans. of Ukrayins'kyi Botanichnyi Zhurnal (USSR) 1959, v. 16, no. 6, p. 55-58.

Rubin, B. L. and Shipilov, V. G.
RESTING CURRENT OF PLANT CELLS AND ITS CHANGES UPON INFECTION (Tok Pokoya Rastitel'nykh Kletok i Ego Izmeneniya pri Infektsii).
C. F. M., tr. 31 Oct 63, 3p 5refs I-3324.
Order from OTS, SLA, or ETC $1.10 TT-63-24535

Trans. of Nauchnye Doklady Vysshei Shkoly. Biologicheskie Nauki (USSR) 1963, no. 1, p. 125-127. (Abstract available)

Takha, Mokhamed Samekh, Mil'ko, E. S., Chernov, V. N., Drevush, V. P., and Van'shev, L. F.
EFFECT OF CONCENTRATIONS OF VARIOUS MEDIUM COMPONENTS ON THE GROWTH AND NITROGEN-FIXATION OF BLUISH-GREEN ALGAE; EFFECT OF ILLUMINATION AND TEMPERATURE ON THE FORMATION OF DUNALIELLA SALINA PIGMENT; AUTOMATIC TEMPERATURE CONTROL SYSTEMS. 14 Nov 63 [35p] 33refs FTD-TT-63-1016.
Order from OTS, SLA, or ETC $3.60 TT-64-13170

Unedited rough draft trans. of #Mikrobiologiya (USSR) 1963, v. 32, no. 4, p. 582-597, 727-731.

Yü, Tieh-chün.
BOTANICAL GARDENS OF CHINA. 13 Dec 63, 11p JPRS: 22269.
Order from OTS $0.50 TT-64-21008

Trans. of Glavnyi Botanicheskii Sad [Pushinskoe]. Byulleten' (USSR) 1960, no. 36, p. 10-18.

General Biology

Asaul, Z. I.
EUGLENIDAE OF THE EPHEMERAL BASINS OF THE W. UKRAINIAN WOODLANDS (Evglenovi Vodorosti Efemernikh Vodoim Zakhidnoukrains'kogo Polissya). Aug 63 [14p] 12refs RTS-2254.
Order from OTS, SLA, or ETC $1.60 TT-63-24637

Trans. of Ukr[ayins'kyi] Botan[ichnyi] Zh[urnal] (USSR) 1961, v. 18, no. 5, p. 74-82. (Abstract available)

Kholodov, Yu. A. and Verevkina, G. L.
EFFECT OF A CONSTANT MAGNETIC FIELD ON CONDITIONED REFLEXES IN SEA FISH. Dec 63, 12p 5refs N64-11564.
Order from OTS $0.50 NASA TT-F-189

Trans. of Biologiya Belogo Morya (USSR) 1962, v. 1, p. 248-255. (Abstract available)

Oksiyuk, O. P.
ON SEASONAL PERIODICITY OF PLANKTONIC DIATOMS (Do Pitannya pro Sezonnu Periodichnist' Planktonnikh Diatomovikh). Apr 63 [8p] 15refs RTS-2253.
Order from OTS, SLA, or ETC $1.10 TT-63-24638

Trans. of Ukrayins'kyi Botanichnyi Zhurnal (USSR) 1959, v. 16, no. 4, p. 73-76. (Abstract available)

Polyanskii, Yu. I, Zhirmunskii, A. V., and Lev, A. A.
AFANASII SEMENOVICH TROSHIN (ON OCCASION OF HIS 50TH BIRTHDAY). 30 Dec 63, 4p JPRS: 22494 (p. 49-52)
Order from OTS $1.50 in TT-64-21149 (p. 49-52)

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963 [v. 44] no. 2, p. 116-118.

Medical Specialties and Equipment

SOME RECENT DEVELOPMENTS IN MEDICAL RADIO ENGINEERING AND ELECTRONICS ABROAD. 31 Dec 63, 9p JPRS: 22551. N64-12356
Order from OTS $0.50 TT-64-21179

Trans. of Meditsinskaya Promyshlennost' SSSR, 1963, v. 17, no. 10, p. 55-58, 62-64.
Separate entries have been prepared for the individual articles.

Chin, Ping-chun.
AUTOMATION OF THE CONTROL IN THE PULLEY STYLED GASTROINTESTINAL DECOMPRESSION APPARATUS. 31 Dec 63, 4p JPRS: 22529 (p. 5-8)
Order from OTS $1.50 in TT-64-21173 (p. 5-8)

Trans. of Chung Hua Wai K'o Tsa Chih (Chinese People's Republic) 1963, v. 11, no. 8, p. 607.

Dirrigl, T.
BEGINNINGS OF REHABILITATION IN CROATIA. 1963, 6p 18refs PL-480 HEW.
Order from OTS $0.75 in TT-62-11763/9 (p. 81-86)

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1962, v. 84, no. 9, p. 939-942.

Jurela, D.
INSTITUTES OF PUBLIC HEALTH WITH THE FUNCTION OF A HEALTH CENTER, IN ACCORDANCE WITH THE LAW ON HEALTH PROTECTION AND ORGANIZATION OF THE HEALTH SERVICE. 1963, 5p 5refs PL-480 HEW.
Order from OTS $0.75 in TT-62-11763/9 (p. 69-73)

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1962, v. 84, no. 9, p. 929-933. (Abstract available)

Kozumplik, I.
DEVELOPMENTAL PROSPECTS OF MEDICAL ELECTRONICS IN CZECHOSLOVAKIA. 31 Dec 63, 5p JPRS: 22551 (p. 1-5)
Order from OTS $0.50 in TT-64-21179 (p. 1-5)

Trans. of Meditsinskaya Promyshlennost' SSSR 1963, v. 17, no. 10, p. 55-58.

Parin, V. V. and Baevskii, R. M.
CYBERNETICS IN MEDICINE AND PHYSIOLOGY. 19 Dec 63, 113p 66refs JPRS: 22377; N64-11918.
Order from OTS $2.50 TT-64-21071

Trans. of mono. Kibernetika v Meditsine i Fiziologii, Moscow, 1963, 119p. (Abstract available)

Timofeeva, E.
MICROAPPARATUS FOR RECORDING SOME PHYSIOLOGICAL FUNCTIONS BY RADIO, BY L. P. SHUVATOV: BOOK REVIEW. 31 Dec 63, 4p JPRS: 22551 (p. 6-9)
Order from OTS $0.50 in TT-64-21179 (p. 6-9)

Trans. of Meditsinskaya Promyshlennost' SSSR, 1963, v. 17, no. 10, p. 62-64 (review of mono. Mikroapparatura dlya Registratsii po Radio Nekotorykh Fiziologicheskikh Funktsii, Moscow, 1959).

Microbiology

Balitskaya, R. M., Kondrateva, E. N., Rubin, A. B. and Osnitskaya, L. K.
EFFECT OF LIGHT INTENSITY ON THE USE OF CO_2 AND ORGANIC COMPOUNDS DURING THE PHOTOSYNTHESIS OF CHLOROPSEUDOMONAS ETHYLICUM [AND] ON THE RELATIONSHIP BETWEEN THE PHYSIOLOGICAL STATE AND MEDIUM DURATION OF FLUORESCENCE OF BACTERIOCHLOROPHYLL IN CELLS OF PHOTOSYNTHESIZING BACTERIA. 19 Nov 63 [18p] 19refs FTD-TT-63-1009.
Order from OTS, SLA, or ETC $1.60 TT-64-13171

Unedited rough draft trans. of #Mikrobiologiya (USSR) 1963, v. 32, no. 2, p. 193-203.

Dzhanpoladova, V. P. and Semenova, A. P.
GEL DIFFUSION PRECIPITATION OF P. TULARENSIS ANTIGENS, COMMUNICATION 1. [1963] [10p] 5refs FASEB Manuscript no.: S 456-2.
Order from OTS, SLA, or ETC $1.10 TT-63-24530

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1962 [v. 33] no. 4, p. 27-30. (Abstract available)

L'vov, N. P.
NEW FREELY LIVING NITROGEN FIXING MICROORGANISMS. 15 Nov 63 [23p] 44refs FTD-TT-63-1010.
Order from OTS, SLA, or ETC $2.60 TT-64-13169

Unedited rough draft trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 2, p. 270-282. (Abstract available)

Nakhimovskaya, I. I.
ANTAGONISM BETWEEN ACTINOMYCETES AND SOIL BACTERIA
H. Norris, tr. 26 Jul 46, 25p (figs omitted) 17refs
Order from OTS, SLA, or ETC $2.60 TT-60-19661

Trans. of Mikrobiologiya (USSR) 1937, v. 6, p. 131-157.

Ustimenko, L. M.
THE CULTIVATION OF TREPONEMA PALLIDUM. [1963] [14p] (figs omitted) 20refs FASEB manuscript no. S368-2.
Order from OTS, SLA, or ETC $1.60 TT-63-23898
figs available on loan from OTS

Trans. of Laboratornoe Delo (USSR) 1962, v. 8, no. 9, p. 15-19. (Abstract available)

Neurology and Psychiatry

Jus, K.
INVESTIGATIONS ON SLOW α RHYTHM IN SCHIZOPHRENIA. 1963, 6p 10refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 397-402)

Trans. from Neurologia, Neurochirurgia i Psychiatria Polska, 1963, v. 13, no. 1, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 397-402.

Romel', T. E.
PERMEABILITY OF THE BLOOD-BRAIN BARRIER AND ITS CHANGES FOLLOWING AMINAZINE THERAPY OF SCHIZOPHRENICS (Pronitsaemost' Gemato-Entsefalicheskogo Bar'era i Ee Izmenenie pod Vliyaniem Aminazinoterapii u Bol'nykh Schizofreniei) Wanda M. Feeley, tr. Oct 61, 7p (refs omitted) PSC-59-522.
Order from OTS, SLA, or ETC $1.10 TT-63-24257

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1959, v. 59 [no. 2] p. 151-155. (Abstract available)

Pathology

MEDICAL JOURNAL, 1962, VOL. 84, NO. 9. 1963, 86p 152refs PL-480 HEW.
Order from OTS $0.75 TT-62-11763/9

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1962. v. 84, no. 9, p. 863-942.

Separate entries have been prepared for the individual articles included in this issue.

POLISH MEDICAL JOURNAL, 1963, VOL. 2, NO. 3, P. 291-463. 1963, 1v. 407refs PL-480 HEW.
Order from OTS $1.75 TT-63-11409/3

A Polish journal published in English consisting of articles translated from various Polish journals.

Separate entries have been prepared for the individual articles.

60TH BIRTHDAY OF ACADEMICIAN V. P. MUKHA. 30 Dec 63, 2p JPRS: 22494 (p. 31-32)
Order from OTS $1.50 in TT-64-21149 (p. 31-32)

Trans. of Gigiena i Sanitariya (USSR) 1963 [v. 28] no. 7, p. 122.

V. V. PARIN (ON OCCASION OF HIS 60TH BIRTHDAY). 30 Dec 63, 3p JPRS: 22494 (p. 40-42)
Order from OTS $1.50 in TT-64-21149 (p. 40-42)

Trans. of Patologicheskaya Fiziologiya i Eksperimental-'naya Terapiya (USSR) 1963 [v. 7] no. 3, p. 92-93.

VLADIMIR ALEKSANDROVICH RYAZANOV. 30 Dec 63, 3p JPRS: 22494 (p. 43-45)
Order from OTS $1.50 in TT-64-21149 (p. 43-45)

Trans. of Gigiena i Sanitariya (USSR) 1963 [v. 28] no. 7, p. 121-122.

Aleksandrov, N. I., Gefen, N. E., Ezenchuk, Yu. V., Budak, A. P., and Runova, V. F.
OPTIMUM CONDITIONS FOR PRODUCTION OF THE EXTRACELLULAR IMMUNIZING ANTIGEN OF BACILLUS ANTHRACIS ON MILK MEDIUM [Izuchenie Optimal'nykh Uslovii Obrazovaniya Sibireyazvennogo Vnekletochnogo Zashchitnogo Antigena na Molochnoi Srede]. [1963] [17p] 8refs
FASEB Manuscript no.: S 454-2.
Order from OTS, SLA, or ETC $1.60 TT-63-24528

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1962 [v. 33] no. 4, p. 9-14. (Abstract available)
Another trans. is available from OTS or SLA $1.60 as TT-62-32593, 10 Aug 62, 14p.

Aleksandrov, N. I., Gefen, N. E., Gapochko, K. G., Garin, N. S., and Maslov, A. I.
AEROSOL IMMUNIZATION WITH DRY POWDER VACCINES AND TOXOIDS. 3 Apr 63 [11p] 5refs
ABL Trans. no. 766; JPRS: R-3049-D.
Order from OTS, SLA, or ETC $1.60 TT-63-23686

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1962, v. 33 [no. 11] p. 31-37. (Abstract available)

Al'pern, Daniil Evseevich.
CHOLINERGIC PROCESSES IN PATHOLOGY: CONCLUSION AND TABLE OF CONTENTS. 14 Jan 64, 16p JPRS: 22732.
Order from OTS $0.50 TT-64-21289

Trans. of mono. Kholinergicheskie Protsessy v Patologii, Moscow, 1963, p. 230-245.

Ashkinazi, I. Ya.
UNCERTAINTIES IN THE PATHOGENESIS OF THE RETICULAR HYPERPLASIA OF THE MARROW IN PATIENTS WITH CIRRHOSIS OF THE LIVER. [1963] [14p] 31refs FASEB Manuscript no. S 101-3.
Order from OTS, SLA, or ETC $1.60 TT-63-23852

Trans. of Terapevticheskii Arkhiv (USSR) 1962, v. 34, no. 11, p. 73-79. (Abstract available)

Bal'yan, M. A.
NITROGEN BALANCE OF INFANTS FED ON IONITE-MIKL IN ACUTE GASTROINTESTINAL DISEASES. 13 Jan 64, 8p 9refs JPRS: 22713.
Order from OTS $0.50 TT-64-21274

Trans. of Pediatriya (USSR) 1963, v. 42, no. 11, p. 33-37. (Abstract available)

Bezjak, B., Kosutic, Z., and Hirtzler, R.
BILHARZIASIS. 1963, 10p 15refs PL-480 HEW.
Order from OTS $0.75 in TT-62-11763/9 (p. 39-48)

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1962, v. 84, no. 9, p. 901-909. (Abstract available)

Bocharova, T. V.
EFFECT OF IRRADIATION ON IMMUNITY IN EXPERIMENTAL TYPHUS. COMMUNICATION 1. IMMUNITY IN IRRADIATED GUINEA PIGS VACCINATED WITH RICKETTSIA PROWAZEKI. [1963] [11p] 17refs FASEB Manuscript no.: S 455-2.
Order from OTS, SLA, or ETC $1.60 TT-63-24529

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1962 [v. 33] no. 4, p. 23-26. (Abstract available)

Bogolyubova, A. V., Voznesenskaya, F. M., Vorob'eva, A. M., Generalov, A. A., and Shtannikov, E. V.
PROFESSOR M. G. MARKARYAN. 30 Dec 63, 2p JPRS: 22494 (p. 24-25)
Order from OTS $1.50 in TT-64-21149 (p. 24-25)

Trans. of Gigiena i Sanitariya (USSR) 1963 [v. 28] no. 5, p. 129.

Bozzoli, Alessandro.
MONOCULAR AND BINOCULAR VISION, PHYSIOLOGICAL DIPLOPIA, AND STEREOSCOPIA (Sulla Visione Mono e Binoculare, sulla Diplopia, Fisiologica, e sulla Stereoscopia). [1961] [19p] 28refs (figs omitted)
Order from SLA $1.60 TT-61-14134

Trans. of Ann[ali] di Ott[almologia e Clinica Oculistica] (Italy) 1925, v. 54, p. 1131-1142.

Bubetskoi, L. S.
EXPERIMENTAL INVESTIGATION OF THE REVERSIBILITY OF CIRRHOTIC CHANGES IN THE LIVER. [1963] [17p] (figs omitted) 9refs FASEB Manuscript no. S 326-2.
Order from OTS, SLA, or ETC $1.60 TT-63-23904

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 1, p. 35-41. (Abstract available)

Chlebus, H.
IMPORTANCE OF CARDIOGRAPHIC EXAMINATIONS IN EVALUATING THE FUNCTION OF THE "AIR-CHAMBER". 1963, 9p 26refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 324-332)

Trans. from Polskie Archiwum Medycyny Wewnetrznej, 1963, v. 33, no. 1, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 324-332. (Abstract available)

Davidovich, V. F., Kazantseva, E. L., and Malysheva, M. N.
PECULIARITIES OF TULAREMIA EPIDEMIOLOGY AND WAYS OF ITS ERADICATION (Osobennosti Epidemiologii Tulyaremii i Puti Ee Likvidatsii). 16 Oct 63, 8p 10refs Trans. V-1863.
Available from OTS on loan TT-63-24168

Trans. of #Zhurnal Mikrobiologii Epidemiologii i Immunobiologii (USSR) 1962, v. 33, no. 12, p. 44-49. (Abstract available)

Dürrigl, T. and Mezulic, Lj.
CHANGES IN THE HEMAGGLUTINATION TITRE IN THE COURSE OF RHEUMATOID ARTHRITIS. 1963, 11p 18refs PL-480 HEW
Order from OTS $0.75 in TT-62-11763/9 (p. 13-23)

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1962, v. 84, no. 9, p. 875-883. (Abstract available)

Dyshlovoi, V. D.
THE STATE OF THE NERVOUS APPARATUS OF CERTAIN INTERNAL ORGANS OF MICE IN TRANSPLANTABLE MALIGNANT TUMORS. [1963] [14p] 8refs FASEB Manuscript no. S 159-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24472
figs. available on loan from OTS
Trans. of Arkhiv Patologii (USSR) 1963, v. 25, no. 1, p. 60-65. (Abstract available)

Edelman, M.
CORTISONE ANALOGUES IN THE TREATMENT OF CONGESTIVE HEART FAILURE. 1963, 20p 50refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 304-323)

Trans. of Kardiologia Polska, 1962, v. 5, no. 4, [p. 287-304) pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 304-323. (Abstract available)

Erenpreis, Ya. G.
THE ROLE OF NUCLEIC ACIDS IN DIFFERENTIATION AND MALIGNANT DEGENERATION: FOREWORD, CONCLUSIONS, CONTENTS. 3 Jan 64, 10p JPRS: 22590.
Order from OTS $0.50 TT-64-21199

Trans. of mono. Rol' Nukleinovykh Kislot v Differentsirovke i Malignizatsii, Riga, 1963, p. 4-7, 38-40, 82-83, 124-125.

Fateeva, M. N., Loginov, A. S., Ivanitskaya, L. A., and Kirillov, Yu. M.
INVESTIGATION OF THE LIVER FUNCTION BY THE I^{131}--BENGAL ROSE TEST. [1963] [10p] 8refs FASEB Manuscript no.: S 54-3.
Order from OTS, SLA, or ETC $1.10 TT-63-24447

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 10, p. 3-8. (Abstract available)

Fejgin, M.
THE EVALUATION OF THE CARDIO-VASCULAR RESERVE BY A SIMPLE "WATER-HEART" TEST. 1963, 5p 10refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 333-337)

Trans. from Wiadomosci Lekarskie (Poland) 1962, v. 15, no. 9, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 333-337.

Gladshtein, A. I.
PAS-POSITIVE SUBSTANCES AND ACID POLYSACCHARIDES IN THE SYNOVIAL FLUID IN SOME PATHOLOGICAL PROCESSES IN THE KNEE JOINT. [1963] [14p] (figs omitted) 20refs
FASEB Manuscript no. S 21-3.
Order from OTS, SLA, or ETC $1.60 TT-63-23880
figs available on loan from OTS

Trans. of Arkhiv Patologii (USSR) 1962, v. 24, no. 10, p. 64-69. (Abstract available)

Gluzman, F. A.
CARCINOLYTIC POWER OF SERUM OF IMMUNIZED ANIMALS
R. Roberts, tr. 26 Feb 48, 2p
Order from OTS, SLA, or ETC $1.10 TT-60-19598

Partial trans (summary) of Medychnyi Zhurnal (USSR) 1941, v. 11, no. 1, p. 169-174.

Iskhakov, S. I.
PETR FOKICH BOROVSKII AND THE STUDY OF CUTANEOUS LEISHMANIASIS (ON OCCASION OF THE 100TH ANNIVERSARY OF HIS BIRTH).
30 Dec 63, 5p JPRS: 22494 (p. 6-10)
Order from OTS $1.50 in TT-64-21149 (p. 6-10)

Trans. of Zdravookhranenie Tadzhikistana (USSR) 1963 [v. 10] no. 3, p. 42-44.

Ivanov, V. A., Lopukhin, Yu. M., and Molodenkov, M. N.
BLOOD SUBSTITUTES AND TRANSFUSION: BLOOD PREPARATIONS, SUBSTITUTES, DONORS, OBTAINING AND PRESERVING OF BLOOD. 20 Dec 63, 5p (fig omitted) JPRS: 22401.
Order from OTS $0.50 TT-64-21088

Trans. of mono. Khirurgiya, Moscow, 1963, p. 131-134.

Kawecka-Duros, H. and Krotochwil-Skrzypkowa, M.
THE RELATIONSHIP BETWEEN LISTERIOSIS AND INFECTIOUS MONONUCLEOSIS ACCORDING TO OUR OWN OBSERVATIONS. 1963, 12p 24refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 350-361)

Trans. from Pediatria Polska, 1962, v. 37, no. 12, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 350-361. (Abstract available)

Korobkova, E. I. and Samoilova, L. V.
ON THE NATURE OF IMMUNITY AGAINST PLAGUE. 3 Apr 63 [10p] 10refs ABL Trans. no. 768; JPRS: R-3049-D.
Order from OTS, SLA, or ETC $1.10 TT-63-23685

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1962, v. 33 [no. 11] p. 76-82. (Abstract available)

Korotkorucho, V. P. and Fedorova, G. P.
PHYSICOCHEMICAL PROPERTIES OF SERUM PROTEINS IN RABBITS WITH BROWN-PEARCE CARCINOMA. [1963] [16p] 21refs FASEB Manuscript no.: S 395-2.
Order from OTS, SLA, or ETC $1.60 TT-63-24522

Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1962, v. 34, no. 1, p. 23-31. (Abstract available)

Kozminska, A.
SUBCORNEAL PUSTULAR DERMATOSIS AS A NOSOLOGIC ENTITY IN THE GROUP OF BULLOUS DISEASES. 1963, 3p 17refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 425-427)

Trans. from Przeglad Dermatologiczny (Poland) 1962, v. 49, no. 5, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 425-427. (Abstract available)

Kucherenko, E. M. and Kadoshchuk, T. A.
THE CLINICAL SIGNIFICANCE OF THE SANTONIN LIVER FUNCTION TEST. [1963] [17p] 24refs FASEB Manuscript no. S 102-3.
Order from OTS, SLA, or ETC $1.60 TT-63-23855

Trans. of Terapevticheskii Arkhiv (USSR) 1962, v. 34, no. 11, p. 80-88. (Abstract available)

Kulakova, E. P.
THE EXOCRINE AND ENDOCRINE FUNCTION OF THE PANCREAS IN CHRONIC DISEASES OF THE LIVER AND BILE DUCTS. [1963] [20p] 19refs FASEB Manuscript no.: S 234-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24489

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 1, p. 43-49. (Abstract available)

Kurilov, Yu. V. and Tolstov, G. V.
TRANSFUSION OF "UTILIZABLE" BLOOD PREVIOUSLY USED FOR ARTIFICIAL BLOOD CIRCULATION. 12 Nov 63, 3p 3refs JPRS: 21825.
Order from OTS $0.50 TT-63-41117

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 10, p. 40-42. (Abstract available)

Lebioda, J., Lijowska, M., Smigla, A., and Winiarski, J.
TOXIC EPIDERMAL NECROLYSIS (LYELL). 1963, 10p 10refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 450-459)

Trans. from Przeglad Dermatologiczny (Poland) 1963, v. 50 no. 1, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 450-459.

Lejman, K.
PYODERMIA CHANCRIFORMIS ACUTA. 1963, 7p 21refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 443-449)

Trans. from Przeglad Dermatologiczny (Poland) 1963, v. 50, no. 1, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 443-449.

Lyarskaya, T. Ya., Ketiladze, E. S., and Zhilina, N. N.
FLUORESCENCE MICROSCOPY IN THE DETECTION OF VIRAL INCLUSIONS DURING INFLUENZA (Ispol'zovanie Lyuminestsentnoi Mikroskopii dlya Obnaruzheniya Virusnykh Vklyuchenii pri Grippe). [1963] [18p] 18refs FASEB Manuscript no. S 193-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24476

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 1, p. 60-65. (Abstract available)

Marczynska, A., Adamczyk, B., and Skawinski, S.
THE INFLUENCE OF HEMORRHAGE ON THE TRANSAMINASES GOT AND GPT AND ALKALINE PHOSPHATASE LEVEL IN THE RABBIT'S BLOOD. 1963, 3p 14refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 347-349)

Trans. from Polski Przeglad Chirurgiczny, 1962, v. 34, no. 12, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 347-349.

Maslinski, Czeslaw.
THE THYROID AND EXPERIMENTAL TUBERCULOSIS (Tarczyca a Gruzlica Doswiadczalna)
W. Kulerski, tr. 1963, 59p 114refs PL-480 Agr.
Order from OTS $0.50 TT-60-21576

Trans. of [Polska Akademia Nauk]. Wydzial Nauk Medycznych. Rozprawy, 1957, v. 2, no. 1, p. 137-192. (Abstract available)
Another trans. is available from OTS $2.50 in TT-61-11335/2, PL-480 HEW, 1963, 251p.

Morozova, V. T. and Martsishevskaya, R. L.
EFFECTS OF VACCINATION AGAINST SMALLPOX IN PATIENTS WITH LEUKEMIA. [1963] [10p] 7refs FASEB Manuscript no. S 190-3.
Order from OTS, SLA or ETC $1.10 TT-63-23868

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 1, p. 21-24. (Abstract available)

Omulecki, A.
COLD HEMAGGLUTINATION TITERS IN VASCULAR DISEASES OF THE LEG WITH PARTICULAR REFERENCE TO ERYTHEMA NODOSUM. 1963, 3p 7refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 422-424)

Trans. from Przeglad Dermatologiczny (Poland) 1962, v. 49, no. 5, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 422-424.

Oszacki, J., Adamczyk, B., Lenczyk, M., and Marczynska, A.
THE INFLUENCE OF THE HEMORRHAGE ON THE EXTRACELLULAR SPACE IN THE RABBIT. 1963, 3p 10refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 344-346)

Trans. from Polski Przeglad Chirurgiczny, 1962, v. 34, no. 12, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 344-346.

Ovio, Giuseppe.
THE PHENOMENON OF UNEQUAL ACCOMODATION. 1. PRELIMINARIES. [1961] 8p 16refs
Order from SLA $1.10 TT-61-14360

Trans. of mono. Sul Fenomeno della Ineguale Accomodazione, Padua, n.d., p. 176-182.

Pawlowski, A.
COMPARATIVE STUDIES ON THE ANIMAL SKIN INNERVATION IN THE EMBRYOLOGIC DEVELOPMENT OF HUMAN FETUS AS WELL AS IN SOME PATHOLOGICAL CONDITIONS AND SKIN NEVI. 1963, 8p 22refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 411-418)

Trans. from Przeglad Dermatologiczny (Poland) 1963, v. 50, no. 2, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 411-418. (Abstract available)

Petrusewicz-Hausmanowa, I. and Kozminska, A.
ELECTROMYOGRAPHIC STUDIES IN THE TRANSITIONAL STAGES BETWEEN THE RAYNAUD'S SYNDROME AND SCLERODERMA. 1963, 3p 1ref PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 419-421)

Trans. from Przeglad Dermatologiczny (Poland) 1962, v. 49, no. 5, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 419-421. (Abstract available)

Popova, A. I., Vasyutinskaya, L. A., and Penenkov, B. L.
TWO CASES OF SYSTEMIC SCLERODERMA. [1963] [13p] 6refs FASEB Manuscript no.: S 201-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24480
figs. available on loan from OTS
Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 1. p. 120-122.

Prochacki, H. and Bielunska, S.
STUDIES ON THE KERATINOMYCES AJELLOI (VANBREUSEGHEM, 1952) ISOLATED FROM THE SOIL. 1963, 8p 36refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 435-442)

Trans. from Przeglad Dermatologiczny (Poland) 1963, v. 50, no. 5, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 435-442. (Abstract available)

Romanov, Yu. D. and Sverdlov, B. D.
INFRARED PHOTOGRAPHY AS A METHOD OF DETECTION OF THE DEEP COLLATERAL VESSELS OF THE ANTERIOR ABDOMINAL WALL IN DISTURBANCES OF THE PORTAL CIRCULATION.
Given at a Meeting of the Society of Internists of the Tatar ASSR, 22 Feb 62. [1963] [13p] 20refs
FASEB Manuscript no.: S 233-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24488
figs. available on loan from OTS
Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 1, p. 30-34.

Rosenzweig, E. and Stoiljkovic, C.
EXAMINATION OF THE PLACENTA AND INTERVENTION IN CASE OF SUSPECT PLACENTA. 1963, 12p 26refs PL-480 HEW.
Order from OTS $0.75 in TT-62-11763/9 (p. 27-38)

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1962, v. 84, no. 9, p. 889-899. (Abstract available)

Ruszczak, Z. and Wozniak, L.
CYTOLOGICAL AND HISTOLOGICAL STUDY ON CANTHARIDIN INDUCED BLISTERS. 1963, 7p 14refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 428-434)

Trans. from Przeglad Dermatologiczny (Poland) 1962, v. 49, no. 5, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 428-434. (Abstract available)

Shebanov, F. V.
MAIN TRENDS OF SCIENTIFIC RESEARCH ON TUBERCULOSIS. 3 Jan 64, 7p JPRS: 22589.
Order from OTS $0.50 TT-64-21198

Trans. of Problemy Tuberkuleza (USSR) 1963, v. 41, no. 9, p. 3-7.

Sikorowa, L.
ACINOUS ADENOCARCINOMA OF THE SALIVARY GLAND. 1963, 11p 13refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 379-389)

Trans. from Nowotwory (Poland) 1962, v. 12, no. 3, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 379-389.

Starushenko, L. I.
INTRA-ARTERIAL INJECTION OF A SOLUTION OF SODIUM LACTATE AND AMINOKROVIN (LACTAMIN) INTO ANIMALS AFTER MASSIVE LOSS OF BLOOD (Vnutryarterial'ne Nagnitannya Rozchynu Laktatu Natriyu z Aminokrovynom (Lactaminu) Tvarynam Pislya Masyvnoyi Krovovtraty). [1963] [15p] 36refs
FASEB Manuscript no.: S 458-2.
Order from OTS, SLA, or ETC $1.60 TT-63-24532

Trans. of Fiziologichnyi Zhurnal (USSR) 1962, v. 8, no. 5, p. 638-643. (Abstract available)

Stepanova, M. P.
THE EFFECT OF VITAMIN B_{12} ON THE CLEARING FACTOR AND BLOOD HEPARIN IN ATHEROSCLEROSIS PATIENTS. [1963] [11p] 20refs
FASEB Manuscript no. S 132-3.
Order from OTS, SLA, or ETC $1.60 TT-63-23856

Trans. of Terapevticheskii Arkhiv (USSR) 1962, v. 34, no. 12, p. 48-52. (Abstract available)

Syudmak, N. V., Guitur, M. I., and Khudoshina, E. M.
TRILONOMETRIC DETERMINATION OF CALCIUM AND MAGNESIUM IN THE CSF AND OTHER BIOLOGICAL FLUIDS. [1963] [9p] 18refs FASEB Manuscript no.: S 376-2.
Order from OTS, SLA, or ETC $1.10 TT-63-24518

Trans. of Laboratornoe Delo (USSR) 1962, v. 8, no. 9, p. 55-59. (Abstract available)

Szczudrawa, J. and Georgiades, J.
ANATOMOPATHOLOGICAL CHANGES IN THE LIVERS OF MICE INFECTED WITH SEVEROVA VIRUS ISOLATED FROM A PATIENT WITH EPIDEMIC HEPATITIS. 1963, 6p 9refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 362-367)

Trans. from Patologia Polska, 1962, v. 13, no. 4, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 362-367. (Abstract available)

Tarlowska, L. and Sikorowa, L.
STUDIES ON FACTORS RESPONSIBLE FOR THE EFFECTIVENESS OF RADIATION TREATMENT OF ENDOMETRIAL CANCER. 1963, 11p 21refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 368-378)

Trans. from Nowotwory (Poland) 1962, v. 12, no. 3, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 368-378. (Abstract available)

Timakov, V. D.
NEW METHODS IN MEDICINE (Novye Puti Meditsiny). 10 Oct 63 [68p] FTD-TT-63-732.
Order from OTS, SLA, or ETC $6.60 TT-64-13097

Unedited rough draft trans. of Vsesoyuznoe Obshchestvo po Rasprostraneniyu Politicheskikh i Nauchnykh Znanii. [Seriya 8: Biologiya i Meditsina] (USSR) 1963 [no. 1] p. 1-48. (Abstract available)

Uglovoi, G. P., Savel'eva, R. A., and Shipitsina, G. K.
THE POSSIBILITY OF USING THE ANTIGEN OF THE PASTEURELLA TULARENSIS VACCINAL STRAIN (TUALLERGEN-2) FOR RAPID TULAREMIA DIAGNOSIS IN MAN (O Vozmozhnosti Primeneniya Antigena Vaktsinnogo Shtamma Tulyaremiinogo Mikroba (Tuallergen-2) dlya Bystroi Diagnostiki Tulyaremii u Lyudei). 24 Oct 63, 7p 5refs Trans. V-1864.
Order from OTS, SLA, or ETC $1.10 TT-63-24170

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1962 [v. 33] no. 12, p. 102-107. (Abstract available)

Vidmar-Cvjetanovic, B.
DIAGNOSTICAL DIFFERENTIATION OF DERMATOMYCOSIS OF THE HANDS AND FEET FROM ECZEMA OF THE SAME LOCALIZATION. 1963, 3p 6refs PL-480 HEW.
Order from OTS $0.75 in TT-62-11763/9 (p. 24-26)

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1962, v. 84, no. 9, p. 885-888. (Abstract available)

Vodopija, I.
TROPICAL DISEASES IN YUGOSLAV PRACTICE. 1963, 4p 10refs PL-480 HEW.
Order from OTS $0.75 in TT-62-11763/9 (p. 74-77)

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1962, v. 84, no. 9, p. 935-937.

Wolffberg.
DISTURBANCES IN PERSPECTIVE VISION CAUSED BY BINOCULARLY CORRECTIVE CYLINDRICAL EYE-GLASSES [PT. 1] (Stoerung des Perspektivischen Sehen durch Binokulaer Korrigierende Zylinderglaeser). [1961] 3p
Order from SLA $1.10 TT-61-14449

Trans. of [Z]entral-Z[eitung] f[ur] Opt[ik] und Mech[anik] (Germany) 1914, v. 35, no. 1, p. 10.

Wolffberg.
DISTURBANCES IN PERSPECTIVE VISION CAUSED BY BINOCULAR CORRECTIVE CYLINDERGLASSES, PT. 2 (Stoerung des Perspektivischen Sehens durch Binokulaer Korrigierende Zylinderglaeser). [1961] [4p]
Order from SLA $1.10 TT-61-14450

Trans. of [Z]entral-Z[eitung] f[ür] Opt[ik] und Mech[anik] (Germany) 1914, v. 35, no. 2, p. 20.

PROCEEDINGS OF THE NATIONAL CONFERENCE ON PHARMACEUTICS (BUCHAREST, 14-16 NOV 63). 16 Jan 64, 14p JPRS: 22762.
Order from OTS $0.50 TT-64-21307

Trans. from Muncitorul Sanitar (Rumania) 1963, 23 Nov, p. 2.

Aleksanyants, R. A.
COMPARATIVE EFFECTIVENESS OF CHLORPROMAZINE AND INSULIN IN DIFFERENT FORMS OF SCHIZOPHRENIA WITH A PROLONGED COURSE (Sravnitel'nye Dannye ob Effektivnosti Terapii Aminazinom i Insulinom Bol'nykh Razlichnymi Formami Shizofrenii s Zatyazhnym Techeniem)
Wanda M. Feeley, tr. Sep 61, 7p (refs omitted) PSC-59-379.
Order from OTS, SLA, or ETC $1.10 TT-63-24259

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1959, v. 59 [no. 2] p. 167-171. (Abstract available)

Asperger, Z.
ACCIDENTS FROM INJECTIONS. 1963, 20p 12refs PL-480 HEW.
Order from OTS $0.75 in TT-62-11763/9 (p. 49-68)

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1962, v. 84, no. 9, p. 911-927.

Berezovskii, B. S.
CHANGES OF PHOSPHORUS-CARBOHYDRATE METABOLISM IN ERYTHROCYTES OF HEALTHY RABBITS UNDER THE EFFECT OF CORTISONE. [1963] [31p] (figs omitted) 22refs FASEB Manuscript no. S 36-3.
Order from OTS, SLA or ETC $1.60 TT-63-23877
figs available on loan from OTS

Trans. of Problemy Endokrinologii i Gormonoterapii (USSR) 1963, v. 9, no. 1, p. 7-11. (Abstract available)

Beritic, T.
IATROGENIC ACCIDENTS. 1963, 3p 8refs PL-480 HEW.
Order from OTS $0.75 in TT-62-11763/9 (p. 78-80)

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1962, v. 84, no. 9, p. 938-939.

Cutler, F. A., Jr., Chemerda, J. M., and Pfister, K., III.
SUBSTITUTED PIPERIDINE SYNTHESIS
P. C. C., tr. 27 Nov 63, 20p
Order from OTS, SLA, or ETC $1.60 TT-63-24614

Trans. of Belgian patent 559,602, cl. C 07d, by Merck & Co., U. S. A., filed 27 Jul 57, granted 14 Aug 57, pub. 8 Apr 60 (priority claimed: 8 Aug 56, U. S. A.). (Abstract available)

Figurovskii, N.A. and Karchevskaya, V.V.
EXTRACTION DU SULFATE D'ATROPINE DES SOLUtions AQUEUSES PAR LE CHARBON ACTIVÉ (izvlechenie Sernokislogo Atropina iz Vodnykh Rastvorov Aktivirovannym Uglem) (Isolation of Atropine Sulfate from Aqueous Solutions by Activated Carbon) 13p. (Foreign text included) 5refs. CNRS-VIII bis 561
Order from OTS, ETC or CNRS $0.80 TT-62-28282

Trans. in French of Aptechnoe Delo (USSR) 1958, v.7, no.6, p.6-10.

Finkelstein, B. K.
OBSERVATIONS ON THE EFFECT OF PREPARATIONS OF CHELIDONIUM MAJUS IN THE TREATMENT OF MALIGNANT TUMORS
Z. [D.] Knowles, tr. 26 Jan 49, 10p
Order from OTS, SLA, or ETC $1.10 TT-60-19789

Trans. of Bol'nich[naya] Gazeta Botkina (USSR) 1897, v. 8, no. 17, p. 634-639.

Gofman, L. I.
PROLONGED CONTINUOUS TREATMENT OF PATIENTS WITH CORONARY INSUFFICIENCY BY ANTICOAGULANTS. [1963] [14p] FASEB Manuscript no. S 197-3.
Order from OTS, SLA, or ETC $1.60 TT-63-23832

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 1, p. 99-103. (Abstract available)

Goner-Kotkowska, A. and Rychly, B.
MEDICAL APPLICATION OF IODINE COMPLEX WITH POLYVINYLALCOHOL-BORIC ACID IN ORAL AND PERIODONTAL DISEASES (PRELIMINARY REPORT). 1963, 4p 5refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 460-463)

Trans. from Gzasopismo Stomatologiczne (Poland) 1963, v. 16, no. 4, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 460-463. (Abstract available)

Gusakova, G.S. and Preobrazhenskii, N.A.
RECHERCHES DE SYNTHÈSE DANS LE DOMAINE DE L'ALCALOÏDE YOHIMBINE (Sinteticheskie Issledovaniya v Oblasti Alkaloida Iokhimbina) (Synthetic Studies in the Field of Yohimbine Alkaloids). 10p. (foreign text included). 4refs. CNRS-VIII bis 301.
Order from OTS, ETC or CNRS $0.80 TT-62-28154

Trans. in French of Akademiya Nauk SSSR. Doklady, 1955, v.101, no.6, p.1061-1063.

Hashimoto, Yohei.
METHOD OF MANUFACTURING ℓ-METHIONINE FROM CASTOR OIL CAKE. Feb 64, 14p
Order from SA $16.00 SA Code-P-243

Trans. in manuscript of published Japanese patent 2274/1958, 5 Apr 58, cl. 16-B-65 (30-B-7) (appl. no. 27024/1955, 13 Oct 55). (Abstract available)

Iliescu, Onoriu and Mateescu, Ion.
CREATION AND JUDICIOUS USE OF DRUG SUPPLIES. 23 Dec 63, 5p JPRS: 22432.
Order from OTS $0.50 TT-64-21103

Trans. from Muncitorul Sanitar (Rumania) 1963, v. 15, no. 40, 5 Oct, p. 3.

Il'yuchenok, R. Yu.
TREATMENT OF EXPERIMENTAL NEUROSES IN DOGS WITH "TROPATSIN" (Lechenie Tropatsinom Eksperimental'nykh Nevrozov u Sobak)
Wanda M. Feeley, tr. Nov 61, 7p (refs omitted) PSC-59-867.
Order from OTS, SLA, or ETC $1.10 TT-63-24255

Trans. of Patologicheskaya Fiziologiya i Eksperimental'naya Terapiya (USSR) 1959, v. 3 [no. 4] p. 26-31. (Abstract available)

Kagan, Yu. S.
TOXICOLOGY OF O,O-DIETHYL-BETA-ETHYLMERCAPTO-ETHYLTHIOPHOSPHATE (MERCAPTOPHOS) AND ITS ISOMERS. [1963] [11p] 26refs
Order from OTS, SLA, or ETC $1.60 TT-63-23218

Trans. of Fiziologichnyi Zhurnal (USSR) 1959, v. 5 [no. 1] p. 110-118. (Abstract available)

Kobert, R.
[ANISOL: ITS NARCOTIC ACTION]. [1963] 2p
Order from SLA $1.10 TT-63-20102

Trans. of mono. Lehrbuch der Intoxikationen, Stuttgart, 1906, v. 2, p. 135.

Kobert, Rudolf.
NITRITES. [1963] 4p 9refs
Order from SLA $1.10 TT-63-20101

Trans. of mono. Lehrbuch der Intoxikationen (Textbook of Intoxications) v. 2, Stuttgart, 1906, p. 41.

Kochetkova, A. V., Berkengeim, G. B., and Sidel'kovskaya, F. P.
USE OF AQUEOUS SOLUTIONS OF POLYVINYLPYRROLIDONE TO PROLONG THE ACTION OF PENICILLIN AND STREPTOMYCIN. 16 Jan 64, 8p 6refs JPRS: 22754.
Order from OTS $0.50 TT-64-21302

Trans. of #Antibiotiki (USSR) 1963, v. 8, no. 12, p. 1100-1105. (Abstract available)

Kosmider, S.
THE INFLUENCE OF DISODIUM CALCIUM VERSENATE ($CaNa_2EDTA$) ON SERUM ALKALINE PHOSPHATASE ACTIVITY. 1963, 6p 23refs
PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 338-343)

Trans. from Polskie Archiwum Medycyny Wewnetrznej, 1962, v. 32, no. 11, pub.in Polish Medical Journal, 1963, v. 2, no. 3, p. 338-343. (Abstract available)

Lelis, I. I.
THE HYDRALAZINE SYNDROME AND EXPERIMENTAL LUPUS ERYTHEMATOSUS. [1963] 8p
Order from OTS, SLA, or ETC $1.10 TT-63-20907

Trans. of Sovetskaya Meditsina (USSR) 1962 [v. 25] no. 4, p, 107-112. (Abstract available)

Mashkovskii, M. and Nadzharov, R.
SEDATIVES [AND] NEUROLEPTIC SYNDROME. 23 Dec 63, 10p 9refs JPRS: 22438.
Order from OTS $0.50 TT-64-21109

Trans. of Bol'shaya Meditsinskaya Entsiklopediya (USSR) 1963, v. 29, p. 601-608.

Meyer, F. O. Walter, Massatsch, C., and Kuntze, K.
GLYCOLS, FORBIDDEN USES AND DETECTION, PTS. 1-3. [1963] 9p 7refs
Order from SLA $1.10 TT-63-20169

Trans. of Pharmazeutische Zeitung [Vereinigt mit Apotheker-Zeitung] (West Germany) 1947, v. 83, p. 423-425.

Miyaki, Komei, Ikeda, Nisaburo, Mizuno, Daiji, and Ito, Yoshimi.
ANTIBACTERIAL PROPERTIES OF 2- AND 2,3-SUBSTITUTED 1,4-NAPHTHOQUINONES. I. ANTIBACTERIAL PROPERTIES OF 2-SUBSTITUTED 1,4-NAPHTHOQUINONES. II. ANTIBACTERIAL PROPERTIES OF 2- AND 2,3-SUBSTITUTED 1,4-NAPHTHOQUINONES. III. DIMORPHISM OF 2,3-DITHIOPHENYL-1,4-NAPHTHOQUINONE AND INFRARED SPECTRA OF MERCAPTO-1,4-NAPHTHOQUINONE DERIVATIVES. IV. ANTIBACTERIAL PROPERTIES AGAINST MYCOBACTERIUM TUBERCULOSIS VAR. HOMINIS E. R. Hope, tr. Sep 63, 21p 21refs DSIS T 81 J.
Order from NRC NRC C-4652

Trans. of [Yakugaku Zasshi] (Japan) 1951, v. 71, no. 7, p. 643-645; 1953, v. 73, no. 9, p. 961-968; 1954, v. 74, no. 6, p. 655-657.

Morden, S. H.
THE USE OF ETHYLENE GLYCOL IN FOOD. [1963] 4p
Order from SLA $1.10 TT-63-20166

Trans. of Parfumerie Moderne (France) 1934, v. 28, p. 31-33.

Müssbichler, H.
THE BIOLOGICAL EFFECTS OF ACRIDINE DERIVATIVES. [1963] 5p (figs omitted) 12refs
Order from SLA $1.10 TT-63-20965

Trans. of Experientia (Switzerland) 1955 [v. 11] no. 7, p. 185-186. (Abstract available)

Oganesyan, A. S.
EFFECT OF STROPHANTHIN ON THE ACTIVITY OF THE ATPASE OF THE KIDNEYS, tr. by Z. D. Knowles. 26 Jul 63, 4p 12refs NIH no. 7-47-63.
Order from OTS, SLA, or ETC $1.10 TT-63-23703

Trans. of Akad[emiya] Nauk Armyanskoi SSR [Erevan], Doklady, 1962, v. 35, p. 177-180. (Abstract available)

Paschke, Bruno.
DETECTION OF GLYCOL AND GLYCOL COMPOUNDS IN LEMONADE AND LIQUEUR ESSENCES AND BAKING FLAVORINGS. [1963] 5p 1ref
Order from SLA $1.10 TT-63-20167

Trans. of Z[eitschrift] f[ür] Lebensmittel-Unters[uchung] und -Forschung (Germany) 1943, v. 86, p. 38-40.

Reif, G.
SELF-EXPERIMENTS WITH ETHYLENE GLYCOL. [1963] 11p 10refs
Order from SLA $1.60 TT-63-20168

Trans. of Pharmazie (East Germany) 1950, v. 5, p. 276-278. (Abstract available)

Rubtsov, M. V.
THE MAIN TRENDS IN THE SYNTHESIS OF ANTIHYPERTENSIVE DRUGS. 31 Dec 63, 12p 44refs JPRS: 22524; N64-12146.
Order from OTS $0.50 TT-64-21169

Trans. of Meditsinskaya Promyshlennost' SSSR, 1963, v. 17, no. 10, p. 6-14.

Zherebtsov, L. A.
STEROID THERAPY OF CHRONIC LIVER DISEASES AND ITS EFFECT ON 17-KETOSTEROID EXCRETION. [1963] [27p] 45refs FASEB Manuscript no. S 192-3.
Order from OTS, SLA, or ETC $2.60 TT-63-23869

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 1, p. 30-37. (Abstract available)

Radiobiology

MEDICAL RADIOLOGY, 1963, VOL. 8, NO. 10: [SELECTED] TRANSLATIONS. 20 Dec 63, 33p 65refs JPRS: 22403.
Order from OTS $1.00 TT-64-21089

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 10, p. 43-52, 57-64.

Separate entries have been prepared for the individual articles.

Berlin, L. B. and Peregudov, I. G.
HISTOLOGICAL SKIN CHANGES IN HOMOPLASTY AND CORTISONE THERAPY IN HEALTHY AND IRRADIATED RABBITS (O Nekotorykh Gistologicheskikh Izmeneniyakh Kozhi pri Gomoplastike i Kortizonoterapii u Zdorovykh i Obluchennykh Krolikov). [1963] [13p] 15refs FASEB manuscript no S 325-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24506

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 2, p. 116-121. (Abstract available)

Chalisov, I. A. and Berlin, L. B.
RESTORATIVE PROCESSES IN THE DUODENAL MUCOSA FOLLOWING RADIATION INJURY.
13 Dec 63, 5p (figs omitted) 23refs JPRS: 22276.
Order from OTS $0.50 TT-64-21014

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151, no. 6, p. 1450-1452. (Abstract available)

Chudinovskaya, G. A. and Kitaeva, O. N.
CYTOLOGICAL ANALYSIS OF THE RADIOSENSITIVITY OF SIMILAR TISSUES IN DIFFERENT SPECIES OF MAMMALS. 16 Jan 64, 13p 18refs JPRS: 22778.
Order from OTS $0.50 TT-64-21316

Trans. of Zhurnal Obshchei Biologii (USSR) 1963, v. 24, no. 6, p. 435-444. (Abstract available)

Danilova, O. A.
THE GANGLIA OF THE PERIPHERAL NERVOUS SYSTEM OF GUINEA PIGS AFTER IRRADIATION WITH GAMMA RAYS. [1963] [11p] 29refs FASEB Manuscript no. S 412-2.
Order from OTS, SLA, or ETC $1.60 TT-63-23890

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 1. p. 115-120. (Abstract available)
Another trans. is available from OTS $3.50 in AEC-tr-5428, Mar 63, 267p.

Dubinin, N. P.
MOLECULAR GENETICS AND THE EFFECT OF RADIATION ON HEREDITY: FOREWORD, INTRODUCTION, CONCLUSIONS, CONTENTS. 2 Jan 64, 23p JPRS: 22581.
Order from OTS $0.75 TT-64-21191

Trans. of mono. Molekulyarnaya Genetika i Deistvie Izluchenii na Nasledstvennost', Moscow, 1963, p. 3-12, 236-239.
Another trans. is available from OTS or SLA $3.60 as TT-63-23687, 7 Aug 63, 37p

Efimova, A. S.
EARLY CHANGES IN THE CHRONAXY OF CUTANEOUS AND VISUAL ANALYSORS FOLLOWING SINGLE LOCAL X-IRRADIATION. [1963] [14p] 19refs FASEB Manuscript no.: S 46-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24444

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 11, p. 45-50. (Abstract available)
Another trans. is available from OTS $1.50 in TT-63-21030, JPRS-17402, 31 Jan 63 [58]p.

Fedorov, I. I. and Ushkov, N. P.
LATE RADIATION INJURIES OF THE BONES DUE TO X-RAY THERAPY. 20 Dec 63, 6p 17refs JPRS: 22403 (p. 10-15).
Order from OTS $1.00 in TT-64-21089 (p. 10-15)

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 10, p. 48-50.

Two case histories.

Funshtein, L. V.
ATLAS ON THE PATHOLOGICAL ANATOMY OF ACUTE RADIATION SICKNESS IN EXPERIMENT.
May 63, 220p 54refs
Order from OTS $3.00 AEC-tr-5630

Trans. of mono. Atlas Patologicheskoi Anatomii Ostroi Luchevoi Bolezin v Eksperimente, Leningrad, 1961, 218p. (Abstract available)

Gladkova, G. S.
SOME COMPARATIVE DATA ON TWO METHODS FOR STUDYING THE TAKE OF BONE GRAFTS USING RADIOACTIVE INDICATORS. [1963] [9p] (fig omitted) FASEB Manuscript no.: S 140-3.
Order from OTS, SLA, or ETC $1.10 TT-63-24465

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 12, p. 40-43. (Abstract available)

Gol'dberg, E. D.
LEUKOSIS AND RADIATION: CONCLUSION [AND] CONTENTS. 31 Dec 63, 5p JPRS: 22520; N64-12145.
Order from OTS $0.50 TT-64-21165

Trans. of mono. Leikozy i Radiatsiya, n. p., 1963, p. 61-65.

Karibskaya, E. V. and Matetskaya, T. E.
CHANGES IN THE PERIPHERAL BLOOD IN RADIATION THERAPY. [1963] [15p] FASEB Manuscript no.:S 45-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24443

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 11, p. 39-45. (Abstract available)
Another trans. is available from OTS $1.50 in TT-63-21030, JPRS-17402, 31 Jan 63 [58]p.

Karmysheva, V. Ya.
POLYSACCHARIDES OF MAMMALIAN OVARIES IN NORMAL CONDITIONS AND IN ACUTE RADIATION SICKNESS. Given at the Conference on Histochemistry of Polysaccharides, Moscow, 7 May 60. [1963] [12p] 16refs FASEB Manuscript no. : S 170-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24474

Trans. of Tsitologiya (USSR) 1962, v. 4, no. 5, p. 565-570. (Abstract available)

Kofanova, Yu. B.
FEATURES CHARACTERISTIC OF THE COURSE OF MYOCARDIAL LESIONS IN RADIATION SICKNESS WHEN TRANSFUSIONS OF BLOOD, BK-8, AND POLYGLUCIN ARE ADMINISTERED. 20 Dec 63, 14p 33refs JPRS: 22403 (p. 20-33).
Order from OTS $1.00 in TT-64-21089 (p. 20-33)

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 10, p. 57-64.

Korchak, L. I. and Speranskaya, T. A.
EFFECT OF CERTAIN PROTECTIVE SUBSTANCES ON CHANGES IN THE REACTIVITY OF TISSUE SULFHYDRIL GROUPS IN IRRADIATED ANIMALS. 4 Dec 63, 4p 12refs JPRS: 22125.
Order from OTS $0.50 TT-63-41283

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151, no. 3, p. 712-713. (Abstract available)

Maksumov, D. N.
SERGEI ANDREEVICH MOLCHANOV. 30 Dec 63, 5p JPRS: 22494 (p. 26-30)
Order from OTS $1.50 in TT-64-21149 (p. 26-30)

Trans. of Meditsinskii Zhurnal Uzbekistana (USSR) 1963, no. 5, p. 83-85.

Malinowski, Z., Szymendera, J., Tolwinski, J., Malinowska, J., and Nowosielski, J.
CA47 TURNOVER IN HEALTHY MAN. 1963, 6p 6refs PL-480 HEW.
Order from OTS $1.75 in TT-63-11409/3 (p. 291-296)

Trans. from Nowotwory (Poland) 1962, v. 12, no. 4, pub. in Polish Medical Journal, 1963, v. 2, no. 3, p. 291-296.

Meter, I. D.
REASONS FOR THE FAILURE OF ANTIBIOTIC THERAPY OF AUTOINFECTION IN RADIATION SICKNESS. 7 Jan 64, 11p 17refs JPRS: 22625.
Order from OTS $0.50 TT-64-21219

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 8, p. 58-65. (Abstract available)

Nesterin, M. F.
INTESTINAL SECRETION IN DOGS MAINTAINED ON DIFFERENT DIETS DURING EXPERIMENTAL RADIATION SICKNESS. [1963] [18p] 29refs FASEB Manuscript no.: S 64-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24451

Trans. of Voprosy Pitaniya (USSR) 1962, v. 21, no. 6, p. 27-33. (Abstract available)

Pekerman, S. M.
DEPRESSION OF ANTIBODY PRODUCTION IN MONKEYS AFTER GAMMA-IRRADIATION IN HIGH DOSES. 4 Dec 63, 6p 12refs JPRS: 22121.
Order from OTS $0.50 TT-63-41279

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 9, p. 61-65. (Abstract available)

Polikarpova, L. N. and Shulyatikova, A. Ya.
CERTAIN VARIATIONS IN CARBOHYDRATE METABOLISM IN MONKEYS WITH ACUTE RADIATION SICKNESS. 17 Jul 63 [12p] 29refs FTD-TT-63-641; N63-23187.
Order from OTS, SLA, or ETC $1.60 TT-63-24244

Unedited rough draft trans. of Radiobiologiya (USSR) 1962, v. 2, no. 3, p. 390-394. (Abstract available)
Another trans. is available from OTS $3.50 in AEC-tr-5430, Mar 63, 264p.

Rakhamanov, V. A., Lindenbraten, L. D., Romanenko, G. F., Kazantseva, N. S., and Sheremet'eva, L. G.
DERMAL CHANGES IN THE VICINITY OF EXPOSURE FIELDS LONG AFTER X-RAY AND GAMMA RAY THERAPY OF MALIGNANT TUMORS. 20 Dec 63, 9p 15refs JPRS: 22403 (p. 1-9).
Order from OTS $1.00 in TT-64-21089 (p. 1-9)

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 10, p. 43-47.

Rusakov, A. B. and Vainer, Z. Ya.
CHANGES IN THE BLOOD DUE TO THE ACTION OF PROLONGED AND REPEATED X-RAY IRRADIATION. 20 Dec 63, 4p JPRS: 22403 (p. 16-19).
Order from OTS $1.00 in TT-64-21089 (p. 16-19)

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 10, p. 50-52. (Abstract available)

Sedov, V. V., Nevskaya, G. F., Ovdienko, N. I., and Mandel'tsvaig, Yu. B.
EVALUATION OF NEW SOVIET PREPARATION OF BENGAL ROSE (RESULTS OF AN EXPERIMENTAL STUDY IN NORMAL CONDITIONS AND IN RADIATION SICKNESS). [1963] [11p] 22refs FASEB Manuscript no.: S 56-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24449

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 10, p. 15-21. (Abstract available)

Shevchenko, V. I.
THE NATURE OF DISTURBANCES TO BLOOD COAGULATION IN CHRONIC (OCCUPATIONAL) X-IRRADIATION. [1963] [19p] 17refs FASEB Manuscript no.: S 142-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24466

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 12, p. 49-55. (Abstract available)
Another trans. is available from OTS $1.00 in TT-63-21141, JPRS-17659, 15 Feb 63 [38]p.

Shubina, A. V.
THE EFFECT OF SEVERAL PHARMACOPEIAL PREPARATIONS ON EXPERIMENTAL RADIATION SICKNESS (Vliyanie Nekotorykh Pharmakopeinykh Preparatov na Luchevuyu Bolezn' v Eksperimente). [1963] [71] FASEB Manuscript no.: S 53-3.
Order from OTS, SLA, or ETC $1.10 TT-63-24446

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 11, p. 83-86. (Abstract available)
Another trans. is available from OTS $1.50 in TT-63-21030, JPRS-17402, 31 Jan 63 [58]p.

Sokolova, N. V.
THE ROLE OF FUNCTIONAL STRESS IN THE LOCALIZATION OF RADIATION INJURY: INTRODUCTION, CONCLUSIONS [AND] TABLE OF CONTENTS. 3 Jan 64, 20p JPRS: 22586; N64-12576.
Order from OTS $0.75 TT-64-21195

Trans. of mono. Rol' Funktsional'noi Nagruzki v Lokalizatsii Luchevogo Porazheniya, Tomsk, 1962, p. 3-5, 100-115.

Sveshnikov, A. A.
THE EFFECT OF PROTON AND GAMMA-RADIATION ON THE FUNCTIONAL STATE OF THE VESTIBULAR ANALYZER. 4 Dec 63, 7p 19refs JPRS: 22120.
Order from OTS $0.50 TT-63-41278

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 9, p. 48-52. (Abstract available)

Vasil'ev, I. M.
EFFECT OF IONIZING RADIATIONS ON PLANTS. Lydia Venters, tr. Jul 63, 260p 1147refs
Order from OTS $3.50 AEC-tr-5836

Trans. of mono. Deistvie Ioniziruyushchikh Izluchenii na Rasteniya, Moscow, 1962. (Abstract available)

Volkova, M. A., Pel'man, S. G., and Dar'yalova, S. L.
COMPARATIVE DISTRIBUTION OF COLLOIDAL SOLUTIONS OF RADIOACTIVE YTTRIUM SALTS IN ANIMALS FOLLOWING INTRAPERITONEAL ADMINISTRATION. [1963] [12p] (fig omitted) 4refs FASEB Manuscript no.: S 136-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24463

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 12, p. 3-7. (Abstract available)

Surgery

M. K. CHACHAVA (ON OCCASION OF HIS 60TH BIRTHDAY). 30 Dec 63, 2p JPRS: 22494 (p. 11-12)
Order from OTS $1.50 in TT-64-21149 (p. 11-12)

Trans. of Khirurgiya (USSR) 1963 [v. 39] no. 5, p. 149.

PROFESSOR O. V. NIKOLAEV (ON OCCASION OF HIS 60TH BIRTHDAY). 30 Dec 63, 3p JPRS: 22494 (p. 37-39)
Order from OTS $1.50 in TT-64-21149 (p. 37-39)

Trans. of Khirurgiya (USSR) 1963 [v. 39] no. 5, p. 148-149.

Nazarova, T. F., Karapetyan, M. K., and Rozentul, L. M.
PHYSIOTHERAPY IN COSMETICS: [SECTION ON] GENERAL INFORMATION [AND] CONTENTS. 23 Dec 63, 9p JPRS: 22424.
Order from OTS $0.50 TT-64-21101

Trans. of mono. Fizioterapiya v Kosmetike, Moscow, 1963, p. 6-13.

Persic, N.
PSYCHOLOGICAL PROBLEMS AND PSYCHOPATHOLOGICAL CONDITIONS IN SURGERY. 1963, 12p 34refs PL-480 HEW.
Order from OTS $0.75 in TT-62-11763/9 (p. 1-12)

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1962, v. 84, no. 9, p. 863-873. (Abstract available)

Shulyakovskaya, M. D.
USE OF BOVINE PERITONEUM IN THE TREATMENT OF BURNS. 10 Jan 64, 3p JPRS: 22688.
Order from OTS $0.50 TT-64-21256

Trans.of Ortopediya, Travmatologiya i Protezirovanie (USSR) 1963, v. 24, no. 11, p. 21-23. (Abstract available)

Wertheimer, Pierre and Frieh, Ph.
PAINFUL STUMP: CERVICE-THORACIC SYMPATHECOTOMY. [1961] 3p
Order from SLA $1.10 TT-61-14486

Trans. of Lyon Chirurgical (France) 1936, v. 33, p. 187-190.

Zoology

ABSTRACTS ON ZOOPARASITOLOGY (REFERATIVNYI ZHURNAL: BIOLOGIYA) NO. 1, 1963. 31 Dec 63, 35p JPRS: 22505.
Order from OTS $1.00 TT-64-21156

Trans. (in full or bibliographic headings only) of Referativnyi Zhurnal. Biologiya (USSR) 1963, no. 1, sect. K, p. 3-20.

ABSTRACTS ON ZOOPARASITOLOGY (REFERATIVNYI ZHURNAL: BIOLOGIYA) 1963, NO. 2. 31 Dec 63, 33p JPRS: 22506.
Order from OTS $1.00 TT-64-21157

Trans. (in full or bibliographic headings only) of Referativnyi Zhurnal. Biologiya (USSR) 1963, no. 2, sect. K, p. 1-20.

ABSTRACTS ON ZOOPARASITOLOGY (REFERATIVNYI ZHURNAL: BIOLOGIYA) 1963, NO. 3. 7 Jan 64, 26p JPRS: 22624.
Order from OTS $0.75 TT-64-21218

Trans. (in full or bibliographic headings only) of Referativnyi Zhurnal. Biologiya (USSR) 1963, no. 3, sect. K, p. 1-16.

ABSTRACTS ON ZOOPARASITOLOGY (REFERATIVNYI ZHURNAL: BIOLOGIYA) 1963, NO. 4. 31 Dec 63, 30p JPRS: 22507.
Order from OTS $1.00 TT-64-21158

Trans. (in full or bibliographic headings only) of Referativnyi Zhurnal. Biologiya (USSR) 1963, no. 4, sect K, p. 1-20.

ABSTRACTS ON ZOOPARASITOLOGY (REFERATIVNYI ZHURNAL: BIOLOGIYA) 1963, NO. 5. 10 Jan 64, 42p JPRS: 22685.
Order from OTS $1.25 TT-64-21254

Trans. (in full or bibliographic headings only) of Referativnyi Zhurnal. Biologiya (USSR) 1963, no. 5, sect. K, p. 1-20.

ABSTRACTS ON ZOOPARASITOLOGY (REFERATIVNYI ZHURNAL: BIOLOGIYA) 1963, NO. 6. 17 Jan 64, 33p JPRS: 22784.
Order from OTS $1.00 TT-64-21321

Trans. (in full or bibliographic headings only) of Referativnyi Zhurnal. Biologiya (USSR) 1963, no. 6, sect. sect. K, p. 1-20.

Bei-Bienko, G. Ya. and Mishchenko, L. L.
LOCUSTS AND GRASSHOPPERS OF THE U.S.S.R. AND ADJACENT COUNTRIES, PT. 1 (Saranchevye Fauny SSSR i Sopredel'nykh Stran). 1963 [421p] PL-480 NSF
Order from OTS $4.25 TT-63-11066/1

Trans. of [Opredeliteli po Fauna SSSR] 1951, v. 38, pt. 1 [378p]. (Abstract available)
Partial translations are available from OTS or SLA (p. 26-29) $1.10 as TT-61-19199, 25 Mar 58, 1p. and (p. 149-183) $10.50 as TT-62-15621, Nov 58 [139p].

Detlaf, T. A. and Zuichenko, S. I.
METAPHASE OF THE FIRST MATURATION DIVISION OF STURGEON COCYTES. 21 Nov 63, 5p 11refs JPRS: 21986.
Order from OTS $0.50 TT-63-41201

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 152, no. 1, p. 246-248. (Abstract available)

Dorogostaiskii, V. Ch., Rubtsov, I. A., and Vlasenko, N. M.
DATA FOR A STUDY OF THE SYSTEMATICS, GEOGRAPHICAL DISTRIBUTION, AND BIOLOGY OF BLACK-FLIES (SIMULIIDAE) OF EASTERN SIBERIA Zelda D. Knowles, tr. 13 Mar 52, 34p (refs omitted)
Order from OTS, SLA, or ETC $3.60 TT-61-28105

Trans. of excerpt from Parazitologicheskii Sbornik (USSR) 1935, v. 5, p. 183-198.

Dremova, V. P.
SOME DATA ON THE ACTIVITY OF MUSCA DOMESTICA DOMESTICA L. IN RELATION TO TEMPERATURE. 13 Dec 63, 9p JPRS: 22273.
Order from OTS $0.50 TT-64-21011

Trans. of Meditsinskaya Parazitologiya i Parazitarnye Bolezni (USSR) 1963 [v. 22] no. 1, p. 62-69. (Abstract available)

Glukhova, V. M.
THE GONADOTROPIC CYCLE IN BITING MIDGES OF THE GENUS CULICOIDES (DIPTERA, HELEIDAE) IN THE KARELIAN ASSR (O Gonotroficheskom Tsikle u Mokretsov Roda Culicoides (Diptera, Heleidae) v Karel'skoi ASSR) tr. by Z. D. Knowles. 12 Aug 63, 24p 16refs NIH no. 8-6-63.
Order from OTS, SLA, or ETC $2.60 TT-63-23817

Trans. of Parazitologicheskii Sbornik (USSR) 1958, v. 18, p. 239-254. (Abstract available)
Another trans. is available from OTS or SLA $1.60 as TT-63-23594, Aug 60 [12p].

Grudinin, P. I.
THE INFLUENCE OF AVAILABLE FOOD RESOURCES ON THE SURVIVAL POTENTIAL OF THE AZOV ANCHOVY. 1963 [5p] NLL M. 10397.
Order from OTS, SLA, or ETC $1.10 TT-63-23527

Trans. of [Akademiya Nauk SSSR. Ikhtiologicheskaya Kommissiya]. Trudy Soveshchanii, 1961, no. 13, p. 454-456 ([Soveshchanie po Dinamike Chislennosti Ryb] Conference on the Population Dynamics of Fishes, Moscow, 1960). (Abstract available)

Kartashev, N. N.
NIKOLAI PAVLOVICH NAUMOV (ON OCCASION OF HIS 60TH BIRTHDAY). 30 Dec 63, 4p JPRS: 22494 (p. 33-36)
Order from OTS $1.50 in TT-64-21149 (p. 33-36)

Trans. of Moskovskoe Obshchestvo Ispytatelei Prirody. Byulleten'. [Otdel Biologicheskii] (USSR) 1963 [v. 38(68)] no. 2, p. 149-150.

Kostomarova, A. A.
SIGNIFICANCE OF THE PHASE OF MIXED FEEDING FOR THE SURVIVAL OF PIKE LARVAE. [1963] [6p] (figs omitted) 13refs NLL M. 10389.
Order from OTS, SLA, or ETC $1.10 TT-63-23519

Trans. of [Akademiya Nauk SSSR. Ikhtiologicheskaya Kommissiya]. Trudy Soveshchanii, 1961, no. 13, p. 344-347 ([Soveshchanie po Dinamike Chislennosti Ryb] Conference on the Population Dynamics of Fishes, Moscow, 1960). (Abstract available)

Likventov, A. V.
DAILY AND SEASONAL CHANGES IN THE TEMPERATURE PREFERENCES OF THE BEETLE PSEUDOPHONUS PUBESCENS MULL (Sutochnye i Sezonnye Izmeneniya Temperaturnogo Proferendumazhukov Pseudophonus Pubescens Mull). Sep 63 [14p] 4refs RTS 2335.
Order from OTS, SLA, ETC $1.60 TT-63-24357

Trans. of Entomologicheskoe Obozrenie (USSR) 1949, v. 30, no. 3/4, p. 208-215. (Abstract available)

Liu, Cheng-tsun.
ZOOBENTHOS AND NUTRITION OF BENTHOPHAGOUS FISH IN LAKE DALAYNOR (CHINESE PEOPLE'S REPUBLIC). 10 Jan 64, 22p 6refs JPRS: 22687.
Order from OTS $0.75 TT-64-21255

Trans. of Zoologicheskii Zhurnal (USSR) 1960, v. 39, no. 2, p. 263-276.

Logachev, E. D.
THE PROBLEM OF THE FINE STRUCTURE OF TREMATODE AND CESTODE MUSCLE FIBRES (K Voprosu o Tonkom Stroenii Muskul'nykh Volokon Trematod). Aug 63 [6p] 9refs RTS-2293.
Order from OTS, SLA, or ETC $1.10 TT-63-24630

Trans. of Akademiya Nauk SSSR. Doklady, 1955, v. 105, no. 2, p. 390-392.

Nurgel'dyev, O. N.
MAMMLIAN FAUNA OF SOUTHEASTERN KARAKUM AND ITS CHANGE RESULTING FROM THE CONSTRUCTION OF THE KARAKUM CANAL. 26 Dec 63, 18p 14refs JPRS: 22474.
Order from OTS $0.50 TT-64-21135

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 8, p. 1232-1244.

Petrushevskii, G. K.
PARASITIC DISEASES OF SALMONIDAE AT FISH-BREEDING ESTABLISHMENTS AND FARMS (Parazitarnye Zabolevaniya Lososevnykh Ryb na Rybovodnykh Zavodakh i v Khozyaistvakh). Nov 63 [15p] 9refs RTS-2391.
Order from OTS, SLA, or ETC $1.60 TT-63-24619

Trans. of Voprosy Ikhtiologii (USSR) 1958, no. 10, p. 162-171.

Ryabchikov, P. I., Soldatova, I. N., and Esakova, S. E.
THE FIRST STAGE IN THE SETTLEMENT OF SHIPWORMS IN THE SEA OF AZOV (Pervyi Etap Zaseleniya Azovskogo Morya Korabel'nym Chervem) tr. by M. Slessers. 1963 [14p] 5refs NOO Trans-178.
Order from OTS, SLA, or ETC $1.60 TT-63-23697

Trans. of [Akademiya Nauk SSSR]. Institut Okeanologii. Trudy, 1961, v. 49, p. 147-155. (Abstract available

Snigirevskaya, E. M.
EXPERIMENT IN LARGE-SCALE MAPPING OF RODENT POPULATION. 21 Nov 63, 7p 2refs JPRS: 21985.
Order from OTS $0.50 TT-63-41200

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 152, no. 1, p. 208-211. (Abstract available)

Turpaeva, E. P.
THE REACTION OF THE BLACK SEA POLYCHAETE WORM MERCIERELLA ENGIMATICA FAUVEL TO VARIOUS SALINITIES (Otnoshenie Chernomorskogo Mnogoshchetinkovogo Chervya Mercierella Enigmatica Fauvel k Usloviyam Razlichnoi Solenosti) M. Slessers, tr. 1963 [19p] 15refs NOO Trans-180.
Order from OTS, SLA, or ETC $1.60 TT-63-24190

Trans. of [Akademiya Nauk SSSR]. Institut Okeanologii. Trudy, 1961, v. 49, p. 187-199. (Abstract available)

Yakovenko, A. A.
INFORMATION ON THE BIOLOGY OF PINK SALMON ACCLIMATIZED IN THE BASINS OF THE WHITE AND BARENTS SEAS (Materialy po Biologii Gorbushi, Akklimatiziruemoi v Basseine Belogo i Barentseva Morei) W. E. Ricker, tr. 1963 [4p] FRBC Trans. series no. 437.
Order from NRCC NRCC-C-4440

Trans. of [Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii]. Nauchno-Teknicheskii Byulleten' (USSR) 1962, no. 2/3 (20/21) p. 37-38. (Abstract available)

Zadul'skaya, E. S.
FEEDING AND FOOD RELATIONSHIPS OF PREDATORY FISHES IN THE NORTHERN PART OF THE RYBINSK RESERVOIR (Pitanie i Pishchevye Vzaimootnosheniya Khishchnykh Ryb Severnoi Chasti Rybinskogo Vodokhranilishcha). 1963, 57p 17refs PL-480 Int.
Order from OTS $0.50 TT-63-11127

Trans. of Darvinskii Gosudarstvennyi Zapovednik. Trudy (USSR) 1960, v. 6, p. 345-405.

CHEMISTRY

ABSTRACTS PERTAINING TO COMMUNIST CHINA IN SOVIET ABSTRACTS JOURNALS NO. 110 (CHEMISTRY SERIES). 16 Dec 63, 17p JPRS: 22304)
Order from OTS $0.50 TT-64-21031

Trans. of selected abstracts from Referativnyi Zhurnal. Khimiya (USSR) 1963, no. 14.

ABSTRACTS PERTAINING TO COMMUNIST CHINA IN SOVIET ABSTRACTS JOURNAL NO. 112 (CHEMISTRY SERIES). 24 Dec 63, 52p JPRS: 22452.
Order from OTS $1.50 TT-64-21119

Trans. of selected abstracts from Referativnyi Zhurnal, Khimiya (USSR) 1963, nos. 2, 10-11.

ABSTRACTS PERTAINING TO COMMUNIST CHINA IN SOVIET ABSTRACTS JOURNALS NO. 113 (CHEMISTRY SERIES). 26 Dec 63, 36p JPRS: 22462.
Order from OTS $1.00 TT-64-21126

Trans. of selected abstracts from Referativnyi Zhurnal, Khimiya (USSR) 1962, nos. 21, 24; 1963, no. 7.

ABSTRACTS PERTAINING TO COMMUNIST CHINA IN SOVIET ABSTRACTS JOURNALS NO. 114 (CHEMISTRY SERIES). 31 Dec 63, 35p JPRS: 22498.
Order from OTS $1.00 TT-64-21152

Trans. of selected abstracts from Referativnyi Zhurnal. Khimiya (USSR) 1963, nos. 1, 3-5.

BULLETIN OF THE CHEMICAL SOCIETY, 1962, VOL. 27, NO. 4 Aleksandra Stojiljkovic, tr. 1963, 54p 65refs PL-480 Comm.
Order from OTS $0.50 TT-62-11757/4

Trans. of [Srpsko] Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 4.

Separate entries have been prepared for the individual papers included in this issue.

BULLETIN OF THE CHEMICAL SOCIETY, 1962, VOL. 27, NO. 5/6.
Aleksandra Stojiljkovic, tr. 1963, 105p 124refs PL-480 Com.
Order from OTS $0.75 TT-62-11757/5-6

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 241-252, 255-261, 263-269, 271-276, 279-281, 283-287, 289-291, 293-297, 299-309, 313-318, 321-324, 327-338, 341-348.

Separate entries have been prepared for the individual articles.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 1. 8 Jan 64, 21p JPRS: 22650.
Order from OTS $0.75 TT-64-21233

Consists of abstracts of articles from the scientific and technical journals of East Germany and Hungary.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 2. 9 Jan 64, 5p JPRS: 22661.
Order from OTS $0.50 TT-64-21240

Abstract trans. of Silikat Technik (East Germany) 1963, v. 14, no. 7, p. 193-222.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 3. 17 Jan 64, 15p JPRS: 22796.
Order from OTS $0.50 TT-64-21331

Abstract trans. of Magyar Kemiai Folyoirat (Hungary) 1963, v. 69, no. 10, p. 427-469; no. 11, p. 473-519.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 4. 21 Jan 64, 22p JPRS: 22835.
Order from OTS $0.75 TT-64-21353

Abstract trans. of Acta Chimica (Hungary) 1963, v. 38, no. 3, p. 177-287; no. 4, p. 295-440; v. 39, no. 1, p. 1-144.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 5. 22 Jan 64, 13p JPRS: 22848.
Order from OTS $0.50 TT-64-21361

Consists of abstracts of articles from the scientific and technical journals of Czechoslovakia.

INTERACTION OF FREE RADICALS. 21 Nov 63, 11p 22refs JPRS: 21992; N64-10853.
Order from OTS $0.50 TT-63-41207

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 150, no. 3, p. 547-550, 588-591.

Separate entries have been prepared for the individual articles.

RADIOCHEMISTRY, 1961, VOL. 3, NOS. 3-4.
A. Aladjem, tr. 1963, 310p 439refs PL-480 AEC.
Order from OTS $2.75 AEC-tr-4580

Trans. of Radiokhimiya (USSR) 1961, v. 3, nos. 3-4, p. 241-511.

Separate entries have been prepared for the individual articles.

USSR SCIENTIFIC ABSTRACTS: CHEMISTRY AND METALLURGY NO. 6. 14 Jan 64, 85p JPRS: 22728
Order from OTS $2.25 TT-64-21285

Consists of abstracts of articles from USSR scientific and technical journals. (Abstract available)

Maruyama, Masatake.
METHOD FOR PURIFYING SUGAR SOLUTION WITH MACROMOLECULAR LIQUID AMINE
K. K. K., tr. 20 Nov 63, 5p
Order from OTS, SLA, or ETC $1.10 TT-63-24605

Trans. of Japanese patent application publication 36-1129, cl. 32 B 221 (32 B 1), appl. 27 Jan 58 as no. 33-1928, pub. 7 Mar 61. (Abstract available)

Milosavljevic, M. and Damanski, A. F.
THE BEHAVIOR OF ASCORBIC ACID IN SOLUTION, II. 1963, 4p 5refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 81-84)

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 321-324. (Abstract available)

Analytical Chemistry

Budimlic, Borislav and Dumanovic, Dragica.
A CONTRIBUTION TO THE IODOMETRIC DETERMINATION OF NOVALGIN. 1963, 6p 19refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 53-58)

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 293-297.

Buric, Ilija and Draskovic, Bosko.
FLUORESCENCE OF PLASMOCHIN AND ITS USE AS A FLUORESCENT INDICATOR. 1963, 6p 2refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 33-38)

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 271-276. (Abstract available)

Celap, Milenko B., Janjic, Tomislav J., and Stojkovic, Dejan.
DETERMINATION OF SMALL AMOUNTS OF ELEMENTS BY THE COMBINATION OF PARTITION AND PRECIPITATION PAPER CHROMATOGRAPHY. 1963, 4p 5refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 39-43)

Trans. of Srpsko Hemisko Dructvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 279-281. (Abstract available)

Fedoseev, P. N. and Ignatenko, L. S.
PYROLYSIS, RAPID AND SLOW SAMPLE DECOMPOSITION, AND THE ROLE OF CATALYSTS IN ELEMENTAL QUANTITATIVE ORGANIC ANALYSIS.
23 Aug 63 [6p] 6refs
Order from OTS, SLA, or ETC $1.10 TT-63-20608

Trans. of Akad[emiya] Nauk SSSR. Komissi[ya po] Anal[iticheskoi] Khim[ii]. Trudy, 1963, v. 13[16] p. 33-35. (Abstract available)

Gershkovich, E. E.
CATALYTIC METHOD OF DETERMINING MERCURY IN AIR (Kataliticheskii Metod Opredeleniya Rtuti v Vozdukhe). Aug 63 [7p] 4refs RTS-2306.
Order from OTS, SLA, or ETC $1.10 TT-63-24626

Trans. of Gigiena Tr[uda] i Prof[essional'nye] Zabol[evaniya] (USSR) 1962, v. 6, no. 9, p. 57-58. (Abstract available)

Heide, R. F. v. d. and Wouters, O.
DETERMINATION OF ANTIOXIDANTS IN POLYETHYLENE BY MEANS OF THIN-LAYER-CHROMATOGRAPHY. [1963] 6p 6refs
Order from SLA $1.10 TT-63-20964

Trans. of Zeitschrift für Lebensmittel-Untersuchung und-Forschung (West Germany) 1962, v. 117, p. 129-131. (Abstract available)

Iinuma, H., Yoshimori, T. and Takeuchi, H.
DOSAGE DES FAIBLES QUANTITÉS DE BORE PAR LE TITRAGE COULOMBMÉTRIQUE (Determination of a Small Amount of Boron by the Coulometric Titration) 14p.(Foreign text included) 4refs.CNRS-VIII bis 503.
Order from OTS, ETC or CNRS $0.80 TT-62-28305

Trans. in French of Bunseki Kagaku (Japan) 1958, v.7, no.1, p.8-11.

Ivanova, K. S.
A RAPID METHOD FOR THE DETERMINATION OF THORIUM, RADIUM AND LEAD IN ACCESSORY MONAZITES (Uskorennyi Metod Opredeleniya Toriya, Radiya i Svintsa v Aktsessornykh Monatsitakh). Paper delivered at the Symposium on Methods for the Determination of Absolute Geological Age. 1963, 9p 4refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 117-125)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 348-355. (Abstract available)
Another trans. is available from OTS or SLA $1.60 as TT-63-23300, NP-tr-895 [1963] [20p].

Janjic, Tomislav I., Celap, Milenko B., and Stojkovic, Ljubisa.
THE SEMIQUANTITATIVE DETERMINATION OF MICRO AMOUNTS OF IONS BY VISUAL COLORIMETRY OF SPOTS OBTAINED BY PARTITION PAPER CHROMATOGRAPHY. I. THE DETERMINATION OF MERCURY, COPPER, CADMIUM, ZINC, URANIUM, AND IRON. 1963, 6p 5refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 43-48)

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 283-287. (Abstract available)

Jovanovic, Momir S. and Kalinic, Mirjana P.
PERSULFATOMETRIC DETERMINATION OF HYDRAZINE BY THE DEAD STOP METHOD. 1963, 3p 10refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 49-51)

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 289-291. (Abstract available)

Klimova, V. A. and Antipova, T. A.
THE DECOMPOSITION OF ORGANIC COMPOUNDS IN A RAPID STREAM OF OXYGEN UNDER THE CONDITIONS OF ELEMENTAL MICROANALYSIS.
6 Sep 63 [9p] 2refs
Order from OTS, SLA, or ETC $1.10 TT-63-20620

Trans. of #Zhur[nal] Anal[iticheskoi] Khim[ii] (USSR) 1961, v. 16, p. 343-347. (Abstract available)

Klimova, V. A. and Antipova, T. A.
FLASH COMBUSTION IN THE MICRODETERMINATION OF CARBON AND HYDROGEN IN A RAPID STREAM OF OXYGEN. 28 Aug 63 [8p] 6refs
Order from OTS, SLA, or ETC $1.10 TT-63-20674

Trans. of #Zhur[nal] Anal[iticheskoi] Khim[ii] (USSR) 1961, v. 16, [no. 4] p. 465-468. (Abstract available)

Korshun, M.O., Gel'man, N.E. and Sheveleva, N.S.
MICROANALYSE ÉLÉMENTAIRE RAPIDE. COMMUNICATION XV (Skorostnye Metody Mikroelementarnogo Analiza.)(Rapid Methods of Micro-elementary Analysis). 25p. (Foreign text included) 14refs. CNRS-VIII bis 590.
Order from OTS, ETC or CNRS $0.95 TT-62-28308

Trans. in French of *Zhurnal Analiticheskoi Khimii (USSR), 1958, v.13, no.6, p.695-701.
Other translations in English are available from OTS or SLA $1.60 as 62-15431 and from CB $7.50.

Kratzl, K. and Gruber, K.
ON THE QUANTITATIVE SEPARATION AND DETERMINATION OF VARIOUS ALKOXY GROUPS BY MEANS OF GAS-FLUID CHROMATOGRAPHY. [1963] 6p (figs tables omitted) 19refs
Order from SLA $1.10 TT-63-20957

Trans. of Monatsh[efte für] Chem[ie] (Austria) 1958, v. 89, p. 618-624. (Abstract available)

Kul'berg, L. M., Borzova, L. D., Mustafin, I. S., Cherkesov, A. I., and Barkovskii, V. F.
TETRA-(p-DIMETHYLAMINOPHENYL)-ETHYLENE AS A REAGENT FOR CHLORINE DETERMINATION (Tetra (p-Dimetilaminofenil)-Etilen kak Reaktiv dlya Opredeleniya Khlora). Apr 63 [11p] 6refs RTS-2250.
Order from OTS, SLA, or ETC $1.60 TT-63-24640

Trans. of Saratov U. Uchenye Zapiski (USSR) 1959, v. 71, p. 251-259. (Abstract available)

Misovic, Jelica and Jovanovic, Milena.
A SPECTROPHOTOMETRIC METHOD FOR RAPID DETERMINATION OF MOLYBDENUM. 1963, 5p 3refs PL-480 Comm.
Order from OTS $0.50 in TT-62-11757/4 (p. 7-11)

Trans. from [Srpsko] Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 4, (Abstract available)

Negina, V. R., Zamyatina, V. N., Presnyakova, M. A., and Chikisheva, L. A.
THE DETERMINATION OF THE SUM OF THE RARE-EARTH ELEMENTS, MANGANESE, NICKEL, COPPER, ANTIMONY, ARSENIC, MOLYBDENUM, CADMIUM AND GOLD IN LITHIUM COMPOUNDS BY THE RADIOACTIVATION METHOD (Opredelenie Soderzhaniya Summy Redkozemel'nykh Elementov, Margantsa, Nikelya, Medi, Sur'my, Mysh'yaka, Molibdena, Kadmiya i Zolota Radioaktivatsionnym Metodom v Soedineniyakh Litiya). 1963, 5p 5refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 255-259)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 473-477. (Abstract available)

Preobrazhenskii, B. K. and Moskvin, L. N.
ION-EXCHANGE SEPARATION OF GROUPS OF ELEMENTS. VII. ELEMENTS OF THE FIFTH ANALYTICAL GROUP (THE As GROUP) (Ionoobmennoe Razdelenie Grupp Elementov). 1963, 8p 16refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 77-84)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 309-315. (Abstract available)

Terent'ev, A.P., Fedoseev, P.N. and Ivasheva, N.P.
NOUVELLES MÉTHODES DE DOSAGE DE L'AZOTE, DU SOUFRE ET DES HALOGÈNES SUR UNE PRISE UNIQUE DE SUBSTANCE ORGANIQUE. COMMUNICATION 4. EMPLOI DU CALCIUM (Novye Metody Kolichestvennogo Opredeleniya Azota Sery i Galogenov iz Odnoi Naveski Organicheskogo ve Veshchestva. 4.) (New Methods for the Quantitative Determination of Nitrogen, Sulfur and Halogens from a Single Sample of Organic Substance). 17p.(Foreign text included but illegible) 2refs. CNRS-VIII bis 585.
Order from OTS, ETC or CNRS $0.80 TT-62-28297

Trans. in French of *Zhurnal Analiticheskoi Khimii (USSR), 1958, v.13, no.3, p.344-348.
Other translations are available in English from OTS or SLA $1.60 as TT-62-18023 [11p] and from CB $7.50

Tseitlin, S. G. and Bykov, I. I.
THE USE OF AMMONIUM FLUORIDE AND OF THE TETRASODIUM SALT OF EDTA FOR THE DETERMINATION OF RADIUM AND ITS ISOTOPES (Primenenie Ftoristogo Ammoniya i Chetyrekhzameshchennoi Natrievoi Soli EDTA pri Opredelenii Radiya i Ego Izotopov). 1963, 3p 5refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 126-128)

Trans of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 356-358. (Abstract available)

Tur'yan, Ya. I. and Zhantalai, B. P.
POLAROGRAPHIC DETERMINATION OF CAPROLACTAM IN INDUSTRIAL SOLUTIONS. [1963] 5p 3refs [BNSL] T.1446 [DSIR] NLL M.10071.
Order from OTS , SLA, or ETC $1.10 TT-63-23353

Trans. of #Zavodskaya Laboratoriya (USSR) 1961, v. 27, no. 10, p. 1211-1214. (Abstract available)

Vajgand, Vilim and Pastor, Tibor.
DERIVATIVE POLAROGRAPHIC TITRATION OF SOME BASES IN GLACIAL ACETIC ACID IN THE PRESENCE OF QUINHIDRONE. 1963, 7p 8refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 25-31)

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no.5/6, p. 263-269 (Abstract available)

Inorganic Chemistry

Balarev, Kh.
QUELQUES PROPRIÉTÉS DES SOLUTIONS SURSATURÉES DE SULFATE DE SOUDE ET DE SES HYDRATES CHRISTALLINS (Nekotorye Svoistva Peresyshchennykh Rastvorov $NaSO_4$ i Ego Kristallogidratov) (Properties of Supersaturated Solutions of Sodium Sulfate and its Crystalline Hydrates). 13p. (Foreign text included) 4refs. CNRS-VIII bis 426.
Order from OTS, ETC or CNRS $0.80 TT-62-28134

Trans. in French of #Zhurnal Obshchei Khimii (USSR), 1957, v.27, no.1, p.34-37.

Braniste, C., Nichita, O. and Serban, S.
UTILISATION DES RÉSIDUS DE NA_2SO_4 LORS DE LA PRÉPARATION INDUSTRIELLE DU BICHROMATE POUR L'OBTENTION DE SILICATE DE SOUDE (Utilizarea Deseului de Sulfat de Sodiu de la Fabricarea Bicromatului Pentru Obtinerea Silicatului de Sodiu) (Use of Sodium Sulfate Wastes from the Manufacturing of Sodium Dichromate, for the Preparation of Sodium Silicate). 25p. (foreign text included). 5refs. CNRS-VIII bis 394.
Order from OTS, ETC or CNRS $0.95 TT-62-28141

Trans. in French of Institutul Politehnic, Iasi. Buletinul (Rumania) 1955, v. 1(5) no. 1/2, p. 78-88.

Freidlin, L.Kh. and Sharf, V.Z.
ÉTUDE, À L'AIDE D'UN INDICATEUR, DE L'ACIDITÉ DU CATALYSEUR À PHOSPHATE ET DE LA FAÇON DONT ELLE EST MODIFIÉE PAR LA TREMPE (Issledovanie Indikatornym Metodom Kislotnosti Fosfatnogo Katalizatora i ee Izmeneniya Pri Prokalivanii) (Investigation of the Acidity of a Phosphate Catalyst and its Change during Firing by an Indicator Method) 11p. (Foreign text included) 7refs. CNRS-VIII bis 630.
Order from OTS, ETC or CNRS $0.80 TT-62-28286

Trans. in French of #Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1960, no.6, p.1128-1130.

Grebenshchikova, V. I. and Bobrova, V. N.
COPRECIPITATION OF CERIUM AND LANTHANUM WITH POTASSIUM SULFATE (Soosazhdenie Tseriya i Lantana s Sernokislym Kaliem). 1963, 8p 13refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 145-152)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 377-383. (Abstract available)

Grebenshchikova, V. I. and Bobrova, V. N.
COPRECIPITATION OF YTTRIUM, ZIRCONIUM AND BARIUM WITH POTASSIUM SULFATE (Soosazhdenie Ittriya, Tsirkoniya i Bariya s Sernokoslym Kaliem). 1963, 7p 15refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 153-159)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 384-390. (Abstract available)

Milyaeva, N.M.
LA FONCTION ACIDE DES SOLUTIONS AQUEUSES DES ACIDES FORMIQUE, ACÉTIQUE, NITRIQUE, CHLORHYDRIQUE ET SULFURIQUE (O Funktsii Kislotnosti Vodnykh Rastvorov, Murav'Inoi, Uksusnoi, Solyanoi, Azotnoi I Sernoi Kislot) (The Function of Acidity of Aqueous Solutions of Formic, Acetic, Nitric, Hydrochloric and Sulfuric Acids). 12p. (foreign text included). 4refs. CNRS-IX 41.
Order from OTS, ETC or CNRS $0.80 TT-62-28153

Trans. in French of #Zhurnal Neorganicheskoi Khimii (USSR), 1958, v.3, no.9, p.2011-2015.
Transl. in English available from OTS in AEC-tr-4457, $3.75.

Murakoshi, M. and Minami, K.
SÉPARATION DE L'ACIDE NITRIQUE CONTENU DANS UNE SOLUTION, AQUEUSE CONCENTRÉE DE NITRATES (Separation of Nitric Acid From a Concentrated Aqueous Solution of Nitrates). 5p. CNRS-XIII bis 720.
Order from OTS, ETC or CNRS $0.80 TT-62-26373

Trans. in French of Japanese patent application 10751-1959, by Cie Asahi, Osaka, filed 11 Nov 57, pub. 18 Dec 59.

Nikolaev, A. V., Tikhomirov, V. I., Rumyantseva, Z. G., and Levin, B. V.
OCCLUSION OF ALKALI CATIONS IN URANIUM PEROXIDE PRECIPITATES (Zakhvat Schelochnykh Kationov Osadkom Peroksida Urana). 1963, 2p 2refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 142-143)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 372-373.

Okada, Takeo and Aoshima, Zenjiro.
A METHOD FOR THE PRODUCTION OF BORON NITRIDE. Feb 64, 5p
Order from SA $16.00 SA Code-P-239

Trans. of published Japanese patent 2254/1963, cl. 15-M-1 (14-E-23) (appl. no. 30223/1960, 2 Jul 60) pub. 18 Mar 63, by Mitsubishi Denki Co., Ltd. (Abstract available)

Sokol, L.
ALUMINES: LEUR FABRICATION, LEUR ACTIVATION ET LA DÉTERMINATION DE LEURS QUALITÉS PHYSIQUES PAR DES MÉTHODES CHIMIQUES (Aluminy, Jejich Priprava, Aktivace a Hodnoceni Fysikálně Chemickými Methodami)(Alumina: Preparation, Activation, and Evaluation by Physical-Chemical Methods) 21p. (Foreign text included) 18refs. CNRS-VIII bis 564
Order from OTS, ETC or CNRS $0.85 TT-62-28275

Trans. in French of Chemicky Prumysl (Czechoslovakia) 1955, v.5 (30), no.12, p.498-502.

Yano, Tomosaburo.
A METHOD FOR THE PRODUCTION OF BORON NITRIDE. Feb 64, 3p
Order from SA $16.00 SA Code-P-238

Trans. of published Japanese patent 1610/1963, cl. 15-M-1, 1 Mar 63 (appl. no. 43792/1960, 4 Nov 60) by Showa-Denko Co., Ltd. (Abstract available)

Organic Chemistry

Balz, G. and Schiemann, G.
AROMATIC FLUORINE COMPOUNDS. I. A NEW METHOD OF PREPARATION. [1963] 1p 11refs
Order from SLA $1.10 TT-63-18985

Summary trans. of [Chemische] Ber[ichte] (Germany) 1927, v. 60, p. 1186-1190

Bashkirov, A. N. and Kistanova, A. I.
COMPOSITION OF THE ALCOHOLS PRODUCED IN LIQUID-PHASE OXIDATION OF NAPHTHENIC HYDROCARBONS. [1963] 4p 4refs
Order from OTS, SLA, or ETC $1.10 TT-64-10097

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1963, v. 148 [no. 4] p. 829-831. (Abstract available)

Berezkin, V. G., Kustanovich, I. M. and others
RADIOLYSE DES HYDROCARBURES À BASSE TEMPÉRATURE (Nizkotemperaturnyi Radioliz Uglevodorodov) (Low-Temperature Radiolysis of Hydrocarbons). 14p (foreign text included). 4refs CNRS-VIII bis 530.
Order from OTS, ETC or CNRS $0.80 TT-62-28144

Trans. in French of Akademiya Nauk SSSR. Doklady, 1959, v. 129, no. 5, p. 1042-1045.
A trans. is available in English from AGI $8.00 in Doklady of the Academy of Sciences of the USSR, Earth Sciences Section, v. 129.

Blanksma, J. J.
ON INTRAMOLECULAR REARRANGEMENT IN CAUSTIC POTASH FUSION: ACTION OF FUSED CAUSTIC POTASH ON HYDROQUINONE AND PYROCATECHOL. [1963] 4p 4refs
Order from SLA $1.10 TT-63-20171

Trans. of Chem[isch] Weekblad (Netherlands) 1908, v. 5 [no. 7] p. 93-95.

Borisavljevic, Ruza, Bosnjak, Jovan, Mamuzic, Rastko I., and Mihailovic, Mihailo Lj.
N-BENZOYLPHTHALIMIDE. II. REACTION WITH AMINES. 1963, 14p 33refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 59-72)

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 299-309. (Abstract available)

Borisavljevic, Ruza, Mamuzic, Rastko I., and Mihailovic, Mihailo Lj.
N-BENZOYLPHTHALIMIDE. I. REACTION WITH ALCOHOLS. 1962, 9p 16refs PL-480 Comm.
Order from OTS $0.50 in TT-62-11757/4 (p. 27-35)

Trans. from [Srpsko] Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 4. (Abstract available)

Bosnjak, Jovan, Mamuzic, Rastko I., and Mihailovic, Mihailo Lj.
N-BENZOYLPHTHALIMIDE. III. REACTION WITH HYDRAZINES. 1963, 7p 20refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 73-79)

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 313-318. (Abstract available)

Dinaburg, M.S. and Porai-Koshits, B.A.
SUR LA SOLUBILITÉ DU CÉTÈNE DANS L'ACÉTONE (O Rastvorimosti Ketena v Atsetone) (Solubility of Ketene in Acetone). 11p. (Foreign text included) CNRS-VIII bis 321.
Order from OTS, ETC or CNRS $0.80 TT-62-28163

Trans. in French of *Zhurnal Prikladnoi Khimii (USSR) 1955, v.28, no.6, p.664-667.

Fedotova, O.Ya., Askarov, M.A. and Losev, I.P.
CONDENSATION DE L'ANILINE, DE L'ORTHO-SOLUIDINE ET DE LEURS DÉRIVÉS N-MONOALKYLES AVEC LA FORMALDEHYDE EN MILIEU ACIDE OBTENTION DE DIAMINODIARYLINETHANES SYMÉTRIQUES (Kondensatsiya Anilina, O-Toluidina I Ikh N-Mono-Alkilzameshchennykh Proizvodnykh S Formal' Degidom v Kisloi Srede) (Condensation of Aniline, O-Toluidine and Their N-Mono-alkyl Derivatives with Formaldelyde in Acid Medium. Preparation of Symmetric Diaminodiarylmethanes) 18p. (foreign text included). 10refs. CNRS-VIII bis 434.
Order from OTS, ETC or CNRS $0.80 TT-62-28136

Trans. in French of *Zhurnal Obshchei Khimii (USSR) 1957, v.27, no.3, p.775-780.

Hsu, Chi-kung and Wu, Shih-hui.
PREPARATION OF MONOMERS CONTAINING FLUORINE [AND] PHARMACEUTICAL INDUSTRY IN CHINA. Communist China's Science and Technology [Selected] Translations no. 62. 19 Dec 63, 24p 97refs JPRS: 22383; N64-11983.
Order from OTS $0.75 TT-64-21073

Trans. from Chung Kuo Hsin Wen (Chinese People's Republic) 1963, 1 Nov, p. 6; Hua Hsüeh T'ung Pao (Chinese People's Republic) 1963, no. 3, p. 15-23.

Isagulyants, V.I. and Panidi, E.V.
ALKYLATION DES ESTERS DES PHÉNOLS PAR LES OLEFINES EN PRÉSENCE DE RÉSINES ÉCHANGEUSES D'IONS COMME CATALYSATEURS (Alkilirovanie Efirov Fenolov Olefinami v Prisutstvii Kationoobmennykh Smol Kak Katalizatorov) (Alkylation of Phenol Esters with Olefins in the Presence of Cation Exchange Resins as Catalysts). 9p. (foreign text included). 5refs. CNRS-VIII bis 682.
Order from OTS, ETC or CNRS $0.80 TT-62-26414

Trans. in French of# Zhurnal Prikladnoi Khimii (USSR) 1961, v.34, no.7, p.1578-1582.

Korshak, V. V., Rogozhin, S. V., and Volkov, V. I.
[STUDIES IN THE FIELD OF] CO-ORDINATION POLYMERS. IX. METAL-CONTAINING POLYMERS BASED ON ALIPHATIC DICARBOXYLIC, α, α'-DIHYDROXYDICARBOXYLIC AND α, α'-DIALKOXYDICARBOXYLIC ACIDS. [1963] 8p 4refs [BNSL] T. 1448 [DSIR] NLL M. 10107.
Order from OTS, SLA or ETC, $1.10 TT-63-23370

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1962, v. 4, no. 1, p. 20-24. (Abstract available)

Kosanovic, Djuro R. and Despic, Aleksandar R.
CONTRIBUTIONS TO METHACRYLACETONE STUDIES. I. SYNTHESIS. 1963, 9p 14refs PL-480 Comm.
Order from OTS $0.50 in TT-62-11757/4 (p. 17-25)

Trans. from [Srpsko] Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 4.

Kost, A.N., Terentev, P.B., and Zavada, T.
PROPRIÉTÉS DU GROUPEMENT ACÉTYLÉNIQUE FIXÉ NOYAU PYRIDINE (Properties of the Acetylene Group when Bound with the Pyridine Nuclesis). 4p. 2refs. CNRS-VIII bis 698.
Order from OTS, ETC or CNRS $0.75 TT-62-26382

Trans. in French of Akademiya Nauk SSSR. Doklady, 1960, v.130, no.2, p.326-328.

Kotani, Yasuo.
A METHOD FOR PREVENTING THE FORMATION OF ACETALDEHYDE IN ALCOHOLIC SOLUTION OF VINYL ACETATE. Feb 64, 7p
Order from SA $16.00 SA Code-P-242

Trans. of published Japanese patent 14711/1963, 13 Aug 63, cl. 16-B-612 (appl. no. 26396/1960, 1 Jun 60) by Nippon Gosei Kagaku Kogyo Co., Ltd. (Abstract available)

Kvitko, S. M., Perekalin, V. V., Vasil'eva, V. N., Bobovich, Ya. S., and Slovokhotova, N. A.
STRUCTURE AND SYNTHESIS OF NITROBUTADIENE DERIVATIVES. [1963] 3p 5refs [DSIR] NLL M.10366.
Order from OTS, SLA, or ETC $1.10 TT-63-23509

Trans. of Akademiya Nauk SSSR. Doklady, 1962, v. 143, no. 2, p. 345-347. (Abstract available)

Lubyanitskii, I.Ya. and Kaminskaya, E.K.
SUR LES STADES INTERMÉDIAIRES DE LA RÉACTION D'OXYDATION DU CYCLOHEXANOL PAR L'ACIDE NITRIQUE (O Promezhutochnykh Stadiyakh Reaktsii Okisleniya Tsiklogeksanola Azotnoi Kislotoi)(On the Intermediates of the Oxidation of Cyclohexanol with Nitric Acid) 20p.(Foreign text included) 15 refs.GR-839
Order from OTS, ETC or CNRS $0.80 TT-63-26921

Trans. in French of *Zhurnal Obshchei Khimii (USSR) 1962, v.32, no.11, p.3495-3502.

Misovic, Jelica and Ramasechan, S.
THE SPACE GROUP DETERMINATION OF ACENAPHTHENEQUINONE. 1963, 2p 2refs PL-480 Comm.
Order from OTS $0.50 in TT-62-11757/4 (p. 5-6)

Trans. from [Srpsko] Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 4. (Abstract available)

Mori, Masao, Sunagawa, Nobuo, and Goto, Sadao.
METHOD OF REMOVING ACETALDEHYDE CONTAINED IN A MIXED LIQUOR WHOSE PRINCIPAL COMPONENTS ARE VINYL ACETATE AND METHANOL. Feb 64, 10p
Order from SA $16.00 SA Code-P-245

Trans. in manuscript of published Japanese patent 5661/1963, 11 May 63, cl. 16-B-411 (16-B-612) (appl. no. 5964/1959, 27 Feb 59) by Japan Synthetic Chemical Industry Co., Ltd. (Abstract available)

Nakamura, Shoichi.
METHOD OF TREATING VINYL ACETATE-METHANOL MIXED LIQUOR. Feb 64 [11p]
Order from SA $16.00 SA Code-P-246

Trans. in manuscript of published Japanese patent 6459/1963, 20 May 63, cl. 16-B-612 (16-B-411) (13-A-231) (appl. no. 8565/1960, 14 Mar 60) (Abstract available)

Nikolic, Kosta.
A NEW METHOD FOR THE PREPARATION OF SOME COMPLEXES OF MANGANOUS HALIDES WITH QUINOLINE. 1963, 3p 3refs PL-480 Comm.
Order from OTS $0.50 in TT-62-11757/4 (p. 37-39)

Trans. from [Srpsko] Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 4. (Abstract available)

Raichle, Karl and Krey, Wilhelm.
PROCESS FOR PREPARATION OF MONOHYDROXY-TRIETHERS J. R.-P., tr. 12 Nov 63, 5p 1ref
Order from OTS, SLA, or ETC $1.10 TT-63-24608

Trans. of German Auslegeschrift (DAS) 1,065,401, cl. 12c, 5/09, internat. cl. C07c, by Farbenfabriken Bayer AG, appl. 21 Oct 57, announced and laid open to public inspection 17 Sep 59 (priorities claimed: 25 Jun 57, U. S. A. and Canada). (Abstract available)

Soborovskii, L.A., Zinov'ev, Yu.M. and Englin, M.A.
FORMATION DE LA LIAISON PHOSPHORE-CARBONE DANS LA RÉACTION ENTRE LES HYDROCARBURES, LE TRICHLORURE DE PHOSPHORE ET L'OXYGÈNE (Obrazovanie Fosfor-Uglerodnoi Soyazi v Soprazhennoi Reaktsii Uglevodorov, Trekhkhloristogo Fosfora i Kisloroda) (Formation of Phosphorus-Carbon Linkage in the Conjugated Reaction of Hydrocarbons, Phosphorus Trichloride and Oxygen). 10p. (Foreign text included) 3refs. CNRS-VIII bis 540.
Order from OTS, ETC or CNRS $0.80 TT-62-28306

Trans. in French of Akademiya Nauk SSSR. Doklady, 1949, v.67, no.2, p.293-295.
A translation in English is available from LC or SLA mi$1.80, ph$1.80 as 59-10558. and from SLA as RT-1089, 7p.

Soborovskii, L.Z., Zinov'ev, Yu.M. and Englin, M.A.
OBTENTION DES COMPOSÉS PHOSPHORO ORGANIQUES PAR LA RÉACTION DU TRICHLORURE DE PHOSPHORE ET DE L'OXYGÈNE SUR LES HYDROCARBURES, LEURS DÉRIVES CHLORES ET LES ÉTHERS SIMPLES (Poluchenie Fosfororganiccheskikh Soedinenii Pri Reaktsii Trekhkhloristogo Fosfora i Kisloroda s Uglevodorodami, ikh Khlorproizvodnymi i s Prostymi Efirami) (Preparation of Phospho-organic Compounds by a Reaction of Phosphorus Trichloride and Oxygen with Hydrocarbons and Their Halogen Derivates and with Ethers) 14p. (Foreign text included) 3refs. CNRS-VIII bis 547
Order from OTS, ETC or CNRS $0.80 TT-62-28277

Trans. in French of Akademiya Nauk SSSR. Doklady, 1950, v.73, no.2, p.333-336.
A translation in Dutch is available from OTS or ETC $1.55 as 61-17076.

Tijmstra, S.
CONCERNING INTRAMOLECULAR ATOM-DISPLACEMENT IN POTASH-MELTING: CHLORINE PHENOL AND BROMINE PHENOL IN THEIR BEHAVIOR TOWARD KOH, $ZnCl_2$ $ZnBr_2$, H_2SO_4, K_2CO_3 AND $KC_2H_2O_2$. [1963] 10p
Order from SLA $1.10 TT-63-20499

Trans. of Chem[isch] Weekblad (Netherlands) 1908, v. 5, no. 7, p. 96-101.

Tsukervanik, I.P. and Galust'yan, G.G.
ALKYLATION ET ACYLATION DES ESTERS ACÉTO ACÉTIQUE ET MALONIQUE EN PRÉSENCE DE POUDRE DE CUIVRE (Alkylation and Acylation of Acetoacetic Acid Esters and Maleic Acid Esters in the Presence of Copper Powder). 6p. 24refs. CNRS-VIIIbis 715.
Order from OTS, ETC or CNRS $0.80 TT-62-26387

Trans. in French of #Zhurnal Obshchei Khimii (USSR), 1961, v.31, p.528-530.

Physical Chemistry

Adamskii, N. M., Karpacheva, S. M., and Sorokin, S. I.
DISTRIBUTION OF CARBOXYLIC ACIDS BETWEEN WATER AND KEROSENE (Raspredelenie Karbonovykh Kislot Mezhdu Vodoi i Kerosinom). 1963, 9p 8refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 49-57)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 284-290. (Abstract available)

Alekseev, R. I. and Polevaya, O. N.
SEPARATION OF SUBSTANCES BY THE METHOD OF ALTERNATE EXTRACTIONS (SEPARATION OF Mo^{99} FROM A MIXTURE OF FRAGMENTS OF URANIUM FISSION) (Razdelenie Veshchestv Metodom Poperemennogo Ekstragiro vaniya (Vydelenie Mo^{99} iz Smesi Oskolkov Deleniya Urana)). 1963, 9p 2refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 238-246)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 458-465. (Abstract available)
A trans. is available in French from OTS or SLA $2.60 as TT-62-33763, CEA-tr-R1487, 15 Feb 62 [22p].

Antipova-Karataeva, I.I. and Vainshtein, E.E.
ÉTUDE DE LA SOLVATATION DE L'ION Cu^{2+} DANS LES SOLUTIONS ALCOOLIQUES, AU MOYEN DE SPECTRES OPTIQUES D'ABSORPTION (Issledovanie Sol'vatatsii Iona Cu^{2+} v Spirtovykh Rastvorakh s Pomoshch'yu Opticheskikh Spektrov Pogloshcheniya) (Investigation of the Solvation of the Cupric Ion in Alcoholic Solutions by Optical Absorption Spectroscopy). 20p. (Foreign text included) 8refs. CNRS-VIII bis 516.
Order from OTS, ETC or CNRS $0.80 TT-62-28299

Trans. in French of #Zhurnal Neorganicheskoi Khimii (USSR), 1959, v.4, no.4, p.793-800.

Apin, A. Ya.
ON CERTAIN EXPLOSIVE PROPERTIES OF NITROGEN CHLORIDE. [1963] 23p (figs tables omitted) 11refs
Order from OTS, SLA, or ETC $2.60 TT-63-20979

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1940, v. 14, no. 4, p. 494-504.

Babaeva, V. P. and Zinov'ev, A. A.
EFFECT OF CONCENTRATION OF PERCHLORIC ACID ON ITS THERMAL DECOMPOSITION. 26 Nov 63 [12p] 8refs FTD-TT-63-832.
Order from OTS, SLA, or ETC $1.60 TT-64-13168

Unedited rough draft trans. of #Zhurnal Neorganicheskoi Khimii (USSR) 1963, v. 8, no. 3, p. 567-572. (Abstract available)

Babayan, S. G., Pakhomov, B. G., Melikhov, I. V., and Merkulova, M. S.
A METHOD OF STUDY OF THE KINETICS OF CRYSTALLIZATION FROM SUPERSATURATED SOLUTIONS (Metod Issledovaniya Kinetiki Kristallizatsii Peresyshchennykh Rastvorov). 1963, 6p 17refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 160-165)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 391-395. (Abstract available)

Babkin, V. S., Kuznetsov, I. L., and Kozachenko, L. S.
THE EFFECT OF CURVATURE ON THE PROPAGATION VELOCITY OF A LAMINAR FLAME IN A LEAN PROPANE-AIR MIXTURE
B. W. Kuvshinoff, tr. 23 Sep 63, 4p 10refs APL/JHU TG 230-T410.
Contract NOw62-0604-c
Order from OTS $0.50 TT-63-11763

Trans. of Akademiya Nauk SSSR. Doklady, 1962, v.146, no. 3, p. 625-627. (Abstract available)

Bagotskaya, I.A.
ÉTUDE DE L'INFLUENCE DE L'HYDROGÈNE EN DIFFUSION, SUR LE POTENTIEL DU FER DANS LES SOLUTIONS ALCALINES (Issledovanie Vliyaniya Diffundiruyushchego Vodoroda Na Potentsial Zheleza v Shchelochnykh Rastvorakh) (Investigation of the Influence of Diffused Hydrogen on the Potential of Iron in Alkali Solutions). 13p. (foreign text included). 4refs. CNRS-VIII bis 372.
Order from OTS, ETC or CNRS $0.80 TT-62-28140

Trans. in French of Akademiya Nauk SSSR. Doklady, 1956, v.107, no.6, p.843-846.
A trans. in English is available from CCT, $21.00 as CCT-164-TT.

Bakaev, V.A., Kiselev, V.F. and Krasil'nikov, K.G.
ABAISSEMENT DE LA TEMPÉRATURE DE FUSION DE L'EAU DANS LES CAPILAIRES D'UN CORPS POREUX (Ponizhenie Temperatury Plavleniya Vody v Kapillyarakh Poristogo Tela)(Reduction in Melting Point of Water in the Capillaries of a Porous Body) 15p. (Foreign text included) 8refs. CNRS-VIII bis 537.
Order from OTS, ETC or CNRS $0.80 TT-62-28274

Trans. in French of Akademiya Nauk SSSR. Doklady, 1959, v. 125, no. 4, p. 831-834.

Bliznakov, G. and Lazarov, D.
DÉCOMPOSITION DU PEROXYDE D'HYDROGÈNE SUR LES SURFACES D'ARGENT, MODIFIÉES PAR LES IONS CHLORURES (Decomposition of Hydrogen Peroxide on Surfaces of Silver Modified with Chlorine Ions). 11p. CNRS-VIII bis 717.
Order from OTS, ETC or CNRS $1.05 TT-62-26388

Trans. in French of *Kinetika i Kataliz (USSR) 1961, v.2, no.6, p.920-930.

Bryzgalova, R. V. and Chernitskaya, I. V.
COMPOSITION AND SOLUBILITY OF LANTHANUM AND YTTRIUM OXALATES (K Voprosu o Sostave i Rastvorimosti Oksalatov Lantana i Ittriya). 1963, 9p 17refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 260-268)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 478-485. (Abstract available)

Calvet, Edouard and Sebille, Georgette.
CONCERNING THE AFFINITY OF SYSTEMS HAVING THE PHENOL FUNCTION FOR ACETONE (Sur l'Affinité des Systémes Comportant la Fonction Phénol pour l'Acétone). [1963] [12p] (foreign text included) 3refs
Order from SLA $1.60 TT-63-2049

Trans. of [Société Chimique de France. Bulletin] 1947, [no. 1/2] p. 286-289. (Abstract available)

Chaikhorskii, A. A.
COMPLEX FORMATION IN NON-AQUEOUS SOLUTIONS. IV. THE METHOD OF DIFFERENT TEMPERATURES (Ob Issledovanii Kompleksobrazovaniya v Nevodnykh Rastvorakh). 1963, 9p 3refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 216-224)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 440-447. (Abstract available)

Chaikhorskii, A.A., Vdovenko, V. M., Efimova, K. I., and Belov, L. M.
COMPLEX FORMATION IN NONAQUEOUS SOLUTIONS. III. THERMODYNAMIC PARAMETERS OF THE SYSTEMS WATER-TRIBUTYL PHOSPHATE-BENZENE AND WATER-BUTYL ACETATE-BENZENE (Ob Issledovanii Kompleksobrazovaniya v Nevodnykh Rastvorakh). 1963, 8p 8refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 62-69)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 295-301. (Abstract available)

Chernykh, V.Ya., Pshezhetskii, S.Ya. and Tyurikov, G.S.
CINÉTIQUE DE LA DÉCOMPOSITION DU PEROXYDE D'HYDROGÈNE SOUS L'ACTION DES RAYONS - ? (Kinetika razlozheniya Perekisi Vodoroda pod Deistviem Gamma -Izlucheniya) (The Kinetics of Hydrogen Peroxide Decomposition by ? -Radiation). 14p. (Foreign text included) 5refs. CNRS-VIII bis 582.
Order from OTS, ETC or CNRS $o.80 TT-62-28293

Trans. in French of Akademiya Nauk SSSR. Doklady, 1957, v.115, no.3, p.560-563.

Chertkov, B.A. and Puklina, D.L.
INFLUENCE DE LA TEMPÉRATURE SUR LA VITESSE D'ADSORPTION DE SO_2 DES GAZ (Vliyanie Temperatury na Skorost' Pogloshcheniya SO_2 iz Gazov) (Effect of Temperature on the Rate of Absorption of Sulfur Dioxide from Gases). 14p. (Foreign text included) 7refs. CNRS-VIII bis 592.
Order from OTS, ETC or CNRS $0.80 TT-62-28295

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1960, v.33, no.1, p.9-13.

Delimarskii, Yu. K.
THE ZERO COMPARISON ELECTRODE IN ELECTROCHEMISTRY OF FUSED SALTS [O Nulevom Sravnitel'nom Elektrode v Elektrokhimii Rasplavlennykh Solei]. [1963] 12p 12refs
Order from OTS, SLA, or ETC $1.60 TT-63-18996

Trans. of Zhurnal Fiz[icheskoi] Khimii (USSR) 1950, v. 24 [no. 7] p. 875-880. (Abstract available)
Another trans. is available from SLA as RT-2830.

Djurkovic, B. B.
CURRENT EFFICIENCY IN THE PROCESS OF ELECTROLYTIC HYDROGENATION OF GERMANIUM. 1963, 7p 2refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 17-23)

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 255-261. (Abstract available)

Efimov, E.A. and Izgaryshev, N.A.
SUR LE MÉCANISME D'ÉLECTRO-OXYDATION DE L'ACIDE SULFURIQUE EN ACIDE PERSULFURIQUE (Kinetic Study of the Sulfuric Acid Electrolytic Oxidation). 7p. 6refs. CNRS-VIII bis 731.
Order from OTS, ETC or CNRS $0.90 TT-62-26376

Trans. in French of Akademiya Nauk SSSR. Doklady, 1956, v.106, no.6, p.1039-1041.

Egunov, A. V. and Dolin, P. I.
RADIATION-CHEMICAL OXIDATION OF POTASSIUM FERROCYANIDE IN AQUEOUS SOLUTIONS (Radiatsionno-Khimicheskoe Okislenie Ferrotsyanida Kaliya v Vodnykh Rastvorakh)
A. Pingell, tr. 11 Oct 63, 9p 14refs
N R L Trans. no. 951.
Order from OTS $0.50 TT-63-11772

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 148, no. 1, p. 140-143. (Abstract available)

Elovich, S.Yu. and Margolis, L.Ya.
ÉTUDE DE L'ADSORPTION DES GAZ SUR LE BIOXYDE DE MANGANÈSE PAR LA MÉTHODE DE CONDUCTIBILITÉ ÉLECTRIQUE (Izuchenie Adsorptsii Gazov na Dvuokisi Margantsa Metodom Elektrovodnosti) (Investigation of Gas Adsorption on Manganese Dioxide by the Electrical-Conductivity Method). 16p. (Foreign text included) 11refs. CNRS-VIII bis 437.
Order from OTS, ETC or CNRS $0.80 TT-62-28137

Trans. in French of *Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1957, v.21, no.2, p.206-210.

Entelis, S.G., Korovina, G.V. and Chirkov, N.M.
THERMODYNAMIQUE DE L'ADSORPTION DE PROPYLÈNE PAR LE SYSTÈME H_2SO_4 - H_2O (Termodinamika Absorbtsii Propilena Sistemoi H_2SO_4 - H_2O) (The Thermodynamics of Propylene Adsorption by the H_2SO_4 - H_2O system) 16p. (Foreign text included) 12refs. CNRS-VIII bis 622
Order from OTS, ETC or CNRS $0.80 TT-62-28288

Trans. in French of Akademiya Nauk SSSR. Doklady, 1960, v.134, no.4, p.856-859.

Fasman, A. B., Padyukova, G. L., and Sokol'skii, D. V.
A STUDY OF THE MECHANISM OF THE LIQUID-PHASE ADSORPTION AND CONVERSION OF CARBON MONOXIDE. [1963] [6p] 19refs
Order from OTS, SLA, or ETC $1.10 TT-63-20607

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1963, v. 150 [no. 4] p. 856-585.

Flerov, V.N.
SUR LE FONCTIONNEMENT DES ÉLECTRODES À OXYDE DE NICKEL NON LAMELLAIRES DANS UNE SOLUTION DE ZINCATE (O Rabote Bezlamel'nykh Okisno-nikelvykh Elektrodov v Tsinkatnom Rastvore) (Performance of Sintered Oxide-nickel Electrodes in a zincate solution) 20p. (Foreign text included) 9refs. CNRS-VIII bis 504
Order from OTS, ETC or CNRS $0.80 TT-62-28279

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1959, v.32, no.6, p.1306-1312.

Gindelis, Ya.E.
CINÉTIQUE D'AUTODISSOLUTION DES ÉLECTRODES DE FER ET DE FER CADMIÉ DANS LES SOLUTIONS ALCALINES (Kinetika Samorastvoreniya Zheleznogo i Zhelezo Kadmievogo Elektroda v Shchelochnykh Rastvorakh) (Kinetics of Solution of Iron and Iron-Cadmium Electrodes in Alkali Solutions). 13p. (foreign text included). 2refs. CNRS-VIII bis 410.
Order from OTS, ETC or CNRS $0.80 TT-62-28149

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1957, v.30, no.4, p.639-642.

Gorshtein, G. I.
ERRORS INTRODUCED BY THE RADIOCHEMICAL IMPURITY OF RADIOACTIVE ISOTOPES INTO THE INVESTIGATION OF COCRYSTALLIZATION AND COPRECIPITATION (Ob Oshibkakh v Issledovanii Protsessov Sokristallizatsii i Soosazhdeniya, Svyazannykh s Radiokhimicheskimi Zagryazneniyami Radioaktivnykh Izotopov). 1963, 9p 2refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 7-15)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 246-255. (Abstract available)

Grebenshchikova, V. I., Bryzgalova, R. V., and Chernitskaya, I. V.
COMPOSITION AND SOLUBILITY OF LANTHANUM OXALATE IN DIFFERENT SOLUTIONS (K Voprosu o Sostave i Rastvorimosti Oksalata Lantana v Rastvorakh Razlichnogo Sostava). 1963, 4p 7refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 269-272)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 486-489. (Abstract available)
Another trans. is available from OTS or SLA $1.10 as TT-62-18730 [1962] 9p.

Gryaznov, V.M., Shimulis, V.I., and Yagodovski, V.D.
INFLUENCE DE L'ÉTAT DE SURFACE DES MÉTAUX À MESURE QU'IL APPROCHE DE L'ÉQUILIBRE SUR LES PROPRIÉTÉS CATALYTIQUES DES MÉTAUX (Dependence of the Catalytic Properties of Metals on how Near is Their Surface to Equilibrium). 8p. 11refs. CNRS-XVII 554.
Order from OTS, ETC or CNRS $0.80 TT-62-28101

Trans. in French of Akademiya Nauk SSSR. Doklady, 1961, v.136, no.5, p.1086-1089.

Gurevich, A. M.
THE PROBLEM OF THE COMPLEX NATURE OF THE PEROXIDE COMPOUNDS OF URANIUM (K Voprosu o Kompleksnoi Prirode Perekisnykh Soedinenii Urana). 1963, 18p 39refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 90-107)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 321-338. (Abstract available)

Gurevich, A. M. and Polozhenskaya, L. P.
SOLUBILITY OF THE URANYL PEROXIDE COMPLEXES (Issledovanie Rastvorimosti Perokso-Kompleksov Iona Uranila). 1963, 5p 3refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 85-89)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 316-320. (Abstract available)

Il'yasov, A. V., Garif'yanov, N. S., and Timerov, R. Kh.
NATURE OF SPIN-LATTICE INTERACTION IN MAGNETIC-DILUTED FREE RADICALS. 21 Nov 63, 5p 10refs JPRS: 21992.
Order from OTS $0.50 in TT-63-41207 (p. 7-11)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 150, no. 3, p. 588-591. (Abstract available)

Jander, G.
CHEMISTRY IN WATER-LIKE SOLVENTS AND MOLTEN SALTS AS EXEMPLIFIED BY CHEMISTRY IN MOLTEN MERCURIC BROMIDE. [1963] 22p 4refs
Order from SLA $2.60 TT-63-20452

Trans. of [Angewandte Chemie] (West Germany) 1950 [v. 62, p. 264-268]. (Abstract available)

Kaganskii, I.M. and Karavaev, M.M. and others
PRESSION DES VAPEURS SATURÉES AU DESSUS DU NITROLEUM HAUTEMENT CONCENTRÉ (Davlenie Nasyshchennykh Parov Nad Vysokokontsentrirovannym Nitrooleumom) (Vapor Pressure of Saturated Vapors over Concentrated Nitrooleum) 12p. (foreign text included). 7refs. CNRS-VIII bis 680.
Order from ETC, OTS or CNRS $0.80 TT-62-26413

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1961, v.34, no.5, p.1087-1092.

Kanevskii, E. A. and Fedorova, L. A.
THE KINETICS OF THE OXIDATION OF U(IV) BY CHLORITES IN ACIDIC SOLUTIONS (Kinetika Okisleniya U(IV) Khloritom v Kislykh Rastvorakh). 1963, 9p 15refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 108-116)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 339-347. (Abstract available)

Karpacheva, S. M., Adamskii, N. M., and Borisov, V. V.
EXTRACTION OF CESIUM BY FATTY ACIDS (Ekstraktsiya Tseziya Karbonovymi Kislotami). 1963, 14p 10refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 35-48)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 272-283. (Abstract available)

Karpacheva, S. M., Adamskii, N. M., and Borisov, V. V.
EXTRACTION OF IRON (III) BY FATTY ACIDS (Ekstraktsiya Zheleza (III) Karbonovymi Kislotami). 1963, 4p 7refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 58-61)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 291-294. (Abstract available)

Klokman, V. R.
MELTING-POINT DIAGRAMS OF BINARY SYSTEMS FORMED BY CHLORIDES OF RADIUM AND OF ALKALI METALS (O Tipakh Diagramm Plavkosti Dvoinykh Sistem. Obrazovannykh Khloridami Radiya i Shchelochnykh Metallov). 1963, 7p 20refs PL-480 AEC
Order from OTS $2.75 in AEC-tr-4580 (p. 70-76)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 302-308. (Abstract available)

Kofler, Adelheid.
CONCERNING HEXACHLOR-CYCLOHEXANES AND THEIR MIXTURES. I. POLYMORPHISM. [1963] [12p] (figs omitted) 18refs
Order from SLA $1.60 TT-63-18231

Trans. of Chemische Berichte (West Germany) [1951] v. 84 [no. 4] p. 376-381. (Abstract available)

Kofler, Adelheid.
CONCERNING HEXACHLOR-CYCLOHEXANES [AND THEIR MIXTURES]. II. BINARY SYSTEMS. [1963] [12p] 13refs
Order from SLA $1.60 TT-63-18232

Trans. of Chemische Berichte (West Germany) [1951] v. 84 [no. 5/6] p. 427-433. (Abstract available)

Korshunov, I. A. and Polikarpov, Yu. S.
COPRECIPITATION OF MICROADMIXTURES FROM A SUPERSATURATED SOLUTION UNDER THE INFLUENCE OF ULTRASOUND (Soosazhdenie Mikroprimesi iz Peresyshchennogo Rastvora pod Deistviem Ul'trazvuka). 1963, 4p 8refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 285-288)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 501-503. (Abstract available)

Ksenchek, O. S.
ACTIVATION ENERGY OF ELECTRODE PROCESSES ON POROUS ELECTRODES, tr. by A. L. Monks. [1963] [6p] 6refs
Order from OTS, SLA, or ETC $1.10 AEC-tr-5803

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) 1957, v. 23, no. 4, p. 443-447. (Abstract available)

Kudryatsev, N.T.
CAUSES DE LA FORMATION DE L'ÉPONGE DE ZINC SUR LA CATHODE ET MÉCANISME DE L'ACTION DES ADDITIONS DANS LES ÉLECTROLYTES DE ZINCATE (Prichiny Obrazovaniya Tsinkovoi Gubki na Katode i Mekhanizm Deistviya Dobavok v Tsinkatnykh Elektrolitakh) (The Causes of Formation of Zinc Sponge on a Cathode and the Mechanism of the Action of Additions in Zincate Electrolytes). 36p. (Foreign text included) 26refs. CNRS-VIII bis 361.
Order from OTS, ETC or CNRS $1.00 TT-62-28156

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR), 1952, v.26, no.2, p.270-281.

Kvlividze, V.I. and others.
ETUDE DE L'ADSORPTION DE VAPEURS D'EAU SUR SURFACE DE SILICAGEL, PAR LA METHODE DE LA RESONANCE MAGNETIQUE NUCLEAIRE [Nuclear Magnetic Resonance Study of Water Vapor Adsorption on the Silica Gel Surface]
Kefeli, tr. 29 Sep 62 [21p] 25refs CEA Trans. no. R 1671.
Order from OTS, SLA, or ETC $1.60 TT-63-24275

Trans. in French of Kinetika i Kataliz (USSR) 1962, v. 3, no. 1, p. 91-98. (Abstract available in French)

Lapitskii, A. V., Chuang, Ya-ui, and Savich, I. A.
INVESTIGATION OF THE COCRYSTALLIZATION OF PROTACTINIUM WITH TITANIUM, NIOBIUM, AND TANTALUM COMPLEXES (Izuchenie Protsessa Sokristallizatsii Protaktiniya s Kompleksnymi Soedineniyami Titana, Niobiya, i Tantala). 1963, 6p 12refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 1-6)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 241-245. (Abstract available)

Lebedev, I. A. and Yakovlev, G. N.
DETERMINATION OF THE COMPOSITION AND INSTABILITY CONSTANTS OF THE COMPLEX LACTATES OF Am(III) AND Cm(III) BY THE ION-EXCHANGE METHOD (Opredelenie Sostava i Konstant Nestoikosti Laktatnykh Kompleksov Am(III) i Cm(III) Metodom Ionnogo Obmena). 1963, 4p 5refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 234-237)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 455-457. (Abstract available)

Levin, V. I., Meshcherova, I. V., and Samrov, V. K.
ISOLATION OF CARRIER-FREE MANGANESE-54 BY EXTRACTION FROM NEUTRON-IRRADIATED IRON (Vydelenie Margantsa-54 Bez Nositelya iz Obluchennogo Neitronami Zheleza Metodom Ekstraktsii). 1963, 5p 18refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 189-193)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 417-421. (Abstract available)

Levshin, V.L., Mamedov, Kh. I. and others
SPECTRES DE FLUORESCENCE DES HYDROCARBURES AROMATIQUES DE LA SÉRIE DIPHÉNYLE ET DE LEURS HOMOLOGUES OXYGÈNES ET SULFURES (Spektry Fluorestsentsii Aromaticheskikh Uglevodorodov Ryada Difenila i ikh Kislorod -i- Serusoderzhashchikh Analogov) (Fluorescence Spectra of Aromatic Hydrocarbons of the Biphenyl Series and Their Oxygen- and Sulphur-Containing). 21p. (Foreign text included) 7refs. CNRS-VIII bis 557.
Order from OTS, ETC or CNRS $0.85 TT-62-28307

Trans. in French of *Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk, Izvestiya, 1959, no.9, p.1571-1578.
A translation in English is available from ATS $9.00 as ATS - 34M39R.

Marinin, V.A.
COEFFICIENT THERMIQUE DU COEFFICIENT DE DIFFUSION DE QUELQUES SUBSTANCES DANS LA GLYCÉRINE (Temperaturnaya Zavisimost' Koeffitsienta Diffuzii Nekotorykh Veshchestv v Glitserine) (Temperature Relation of the Diffusion Coefficient of some Substances in Glycerol). 10p. (foreign text included) CNRS-VIII bis 689. 9refs.
Order from OTS, ETC or CNRS $0.80 TT-62-26410

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1956, v.30, no.1, p.129-133.

Mefod'eva, M. P.
A STUDY OF THE TRILON-B COMPLEXES OF NEPTUNIUM BY THE ELECTROPHORESIS METHOD (Issledovanie Kompleksov Neptuniya s Trilinom B Metodom Elektroforeza). 1963, 4p 3refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 293-296)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 506-508. (Abstract available)

Nassonov, P.M.
ISOTHERMES D'ADSORPTION ET CINÉTIQUE DE LA SORPTION ET DE LA DÉSORPTION DES GAZ SUR LES SURFACES HÉTÉROGÈNES (Adsorption Isotherm and Sorption and Desorption Kinetics of Gases on Heterogeneous Surfaces). 10p. 6refs. CNRS-VIII bis 696
Order from OTS, ETC or CNRS $1.00 TT-62-26379

Trans. in French of #Zhurnal Fizicheskoi Khimii (USSR) 1961 [v. 35] no. 1, p. 118-128.
Another trans. is available in English from ATS $14.70 as ATS-53N52R [1961] 12p.

Neokladnova, L. N. and Shagisultanova, G. A.
THE ACTION OF GAMMA AND ULTRAVIOLET RADIATION ON THE AQUEOUS SOLUTIONS OF THE TRIETHYLENEDIAMINE COMPLEX OF COBALT, III (Deistvie γ i Ul'trafioletovoi Radiatsii na Vodnye Rastvory Trietilendyaminovogo Kompleksa Kobal'ta, III) A. Pingell, tr. 1963, 9p 13refs NRL Trans. no. 953.
Order from OTS $0.50 TT-63-11765

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 149, no. 5, p. 1084-1087. (Abstract available)

Nikolaev, V.I.
DÉTERMINATION DE LA COMPOSITION DES PHASES SOLIDES DE SYSTÈMES QUADRUPLES À L'ÉQUILIBRE (Determining the Composition of Solid Phases of Equilibrous Quadruples Systems). 9p. 2refs, CNRS-VIII bis 536.
Order from OTS, ETC or CNRS $0.80 TT-62-28311

Trans. in French of Akademiya Nauk SSSR. Doklady, 1939, v.24, no.6, p.556-558.

Oyama, Y.
CONDITIONS OPTIMALES DE L'EXTRACTION DE L'URANIUM (Optimum Conditions of the Uranium Extraction). 14p. 10refs. CNRS-XXV 384.
Order from OTS, ETC or CNRS $0.80 TT-62-26742

Trans. in French of unidentified Japanese language article. n.d.

Pastonesi, Giuseppe.
EFFECT OF DILUTING GASES IN SYNTHESES AT ELEVATED PRESSURES. [1963] 8p (figs omitted) 11refs
Order from SLA $1.10 TT-63-20163

Trans. of la Chimica e l'Industria (Italy) 1937, v. 19, no. 3, p. 123-125.

Perskaya, R. M. and Zaidenman, I. A.
LIQUID DIFFUSION ELECTRODES, tr. by A. L. Monks. [1963] [6p] 8refs
Order from OTS, SLA, or ETC $1.10 AEC-tr-5799

Trans. of Akademiya Nauk SSSR. Doklady, 1957, v. 115, no. 3, p. 548-551. (Abstract available)

Potapova, S. A.
USE OF THE SYSTEM DI-p-CRESYL PHOSPHATE-$CHCl_3$ FOR THE SEPARATION OF CARRIER-FREE ZIRCONIUM-95 BY MEANS OF EXTRACTION (Ispol'zovanie Sistemy p-Dikrezilfosfat-$CHCl_3$ dlya Vydeleniya Tsirkoniya-95 Bez Nositelya Putem Ekstraktsii). 1963, 8p 5refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 194-201)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 422-427. (Abstract available)

Pushkarev, V. V.
CONCENTRATION OF RADIOACTIVE ISOTOPES BY GELATIN FROTHING (Kontsentrirovanie Radioaktivnikh Izotopov s Pomoshch'yu Penoobrazovaniya Zhelatinoi). 1963, 3p 4refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 282-284)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 498-500. (Abstract available)
A trans. is available in French from OTS or SLA $1.60 as TT-62-33755, CEA-tr-R1485, 15 Feb 62 [13p].

Rius, A. and Crespi, Maria Alicia.
ANALYTICAL CALCULATION OF EXTRACTION IN QUATERNARY SYSTEMS. [1963] 18p
Order from SLA $1.60 TT-63-18980

Trans. of Soc[iedad] Espan[ola de] Fis[ica] y Quim[ica]. Anales, 1952, v. 48B, p. 131-139.

Rusin, A. D. and Tatevskii, V. M.
SPECTROSCOPIC DETERMINATION OF THE CONCENTRATION OF THE BO_2 RADICAL IN AN EXPLOSION
B. W. Kuvshinoff, tr. 29 Nov 63, 4p 5refs
APL/JHU TG 230-T424.
Contract NOw62-0604-c
Order from OTS $0.50 TT-64-11510

Trans. of Moscow U. Vestnik. [Seriya 2: Khimiya] (USSR) 1962 [v. 17] no. 3, p. 21-23.

Shevchenko, V. B., Fedorov, I. A., and Smelov, V. S.
THE EFFECT OF TEMPERATURE ON THE EXTRACTION OF URANYL NITRATE AND PLUTONIUM (IV) BY MIXED SOLVENTS (Vliyanie Temperatury na Ekstraktsiyu Uranilnitrata i Chetyrekhvalentnogo Plutoniya Smeshannym Rastvoritelyami). 1963, 7p 8refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 16-21)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 256-260. (Abstract available)

Shevchenko, V. B., Solovkin, A. S., Kirillov, L. M., and Ivantsov, A. I.
ON THE EFFECT OF SATURATED MONOHYDRIC ALCOHOLS AND ETHERS ON THE EXTRACTION OF U(VI), Pu(IV), Zr(IV), Ce(III), AND Nb(V) FROM NITRIC ACID SOLUTIONS BY TRIBUTYL PHOSPHATE (O Vliyanii Predel'nykh Odnoatomnykh Spirtov i Prostykh Efirov na Ekstraktsiyu U(VI), Pu(IV), Zr(IV), Ce(III) i Nb(V) Tri-n-butilfosfatom iz Azotnokislykh Rastvorov). 1963, 4p 8refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 289-292)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 503-506. (Abstract available)
A trans. is available in French from OTS or SLA $1.60 as TT-62-33753, CEA-tr-R1486, 24 Mar 62 [13p].

Starik, I. E. and Ampelogova, N. I.
EXTRACTION OF POLONIUM IN DIFFERENT VALENCY STATES (Ekstraktsiya Poloniya v Razlichnykh Valentnykh Sostoyaniyakh). 1963, 13p 35refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 22-34)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 261-271. (Abstract available)

Starik, I. E., Shchebetkovskii, V. N., and Skul'skii, I. A.
ADSORPTION OF RADIOACTIVE ISOTOPES ON NON-ION-EXCHANGING POLYMERIC ADSORBENTS. II. ADSORPTION OF ZIRCONIUM ON FTOROPLAST-4 FROM ACID SOLUTIONS OF SALTS OF THE ALKALI METALS (Adsorbtsiya Radioaktivnykh Izotopov na Neionoobmennykh Polimernykh Adsorbentakh). 1963, 6p 8refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 210-215)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 435-439. (Abstract available)

Starik, I. E., Skul'skii, I. A., and Shchebelkovskii, V. N.
ADSORPTION OF RADIOACTIVE ISOTOPES ON NON-ION-EXCHANGING POLYMERIC ADSORBENTS. I. ADSORPTION OF ZIRCONIUM ON FTOROPLAST-4 FROM HYDROCHLORIC ACID SOLUTIONS (Adsorbtsiya Radioaktivnykh Izotopov na Neionoobmennykh Polimernykh Adsorbentakh). 1963, 8p 13refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 202-209)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 428-434. (Abstract available)

Tsvetkov, Yu.V.
LES PHÉNOMÈNES D'AUTOCATALYSE DANS LES RÉACTIONS OÙ PARTICIPANT DES SUBSTANCES SOLIDES (Autocatalytic Phenomena in Reactions Involving Solids). 5p. 11refs. CNRS-VIII bis 718.
Order from OTS, ETC or CNRS $0.80 TT-62-26371

Trans. in French of *Kinetika i Kataliz (USSR) 1961, v.2, no.6, p.827-829.

Turkhan, E.Ya.
VITESSE D'ABSORPTION DU GAZ CARBONIQUE PAR LES SOLUTIONS D'HYDROXYDES (O Skorosti Absorbtsii Uglekislogo Gaza Rastvorami Gidrovkisei)(Velocity of Absorption of Carbon Dioxide by Hydroxide Solutions) 24p. (Foreign text included) 8refs. CNRS-VIII bis 574
Order from OTS, ETC or CNRS $0.90 TT-62-28276

Trans. in French of Zhurnal Prikladnoi Khimii (USSR) 1948, v.21, no.9, p.927-936.

Tur'yan, Ya.I. and Gol'denshtein, I.S.
SURTENSION D'OXYGÈNE SUR L'ÉLECTRODE DE NICKEL AUX GRANDES DENSITÉS DE COURANT (Oxygen Overvoltage on a Nickel Electrode at High Current Densities). 18p. (foreign text included). 12refs. CNRS-VIII bis 371.
Order from OTS, ETC or CNRS $0.80 TT-62-28139

Trans. in French of *Zhurnal Prikladnoi Khimii (USSR) 1956, v.29, no.3, p.379-384.

Vanina, V.I. and Gutman, A.M. and others.
CONTRIBUTION À L'ÉTUDE DES PROPRIÉTÉS ADSORBANTES DE LA LIGNINE D'HYDROLYSE (Adsorption Properties of Lignin Hydrolysis By-Product). 10p. 9refs. CNRS-VIII bis 694.
Order from OTS, ETC or CNRS $1.00 TT-62-26378

Trans. in French of *Kolloidnyi Zhurnal (USSR) 1960, v.22, no.1, p.9-15.

Vdovenko, V. M., Galkin, B Ya., and Chaikhorskii, A A.
COMPLEX FORMATION IN NON-AQUEOUS SOLUTIONS. V. STUDY OF THE HYDRATION OF TRIHEXYLAMINE NITRATE IN BENZENE (Ob Issledovanii Kompleksoobrazovaniya v Nevodnykh Rastvorakh). 1963, 9p 11refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 225-233)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 448-454. (Abstract available)

Vdovenko, V. M., Koval'skaya, M. P., and Smirnova, E. A.
EXTRACTION OF NITRIC ACID AND URANYL NITRATE BY SOLUTIONS OF TRI-N-NONYLAMINE AND TRI-N-DECYLAMINE IN BENZENE (Ekstraktsiya Azotnoi Kisloty i Nitrata Uranila Rastvorami Tri-n-nonilamina i Tri-n-detsilamina v Benzole). 1963, 9p 16refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 173-181)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 403-410. (Abstract available)

Vdovenko, V. M., Lipovskii, A. A., and Kuzina, M. G.
THE SORPTION OF URANYL NITRATE FROM ORGANIC SOLVENTS ON ANION-EXCHANGE RESINS (O Poglosh chenii Uranilnitrata iz Organicheskikh Rastvoritelei s Pomoshch'yu Anionoobmennykh Smol). 1963, 7p 11refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 135-141)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 365-371. (Abstract available)
A trans is available in French from OTS or SLA $2.60 as TT-62-33742, CEA-tr-R1568, 3 Mar 62 [21p].

Vdovenko, V. M., Lipovskii, A. A., and Nikitina, S. A.
THE MECHANISM OF THE EXTRACTION OF TETRAVALENT PLUTONIUM BY A PRIMARY ALKYLAMINE FROM SULFURIC ACID SOLUTIONS (O Mekhanizme Ekstraktsii Chetyrekhvalentnogo Plutoniya Alkilaminom iz Sernokislykh Rastvorov). 1963, 7p 7refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 166-172)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 396-402. (Abstract available)
Another trans. is available from OTS or SLA $1.10 as AEC-tr-4982 [1962] 8p.

Voznesenskii, S. A., Bagretsov, V.F., Pushkarev, V. V., and Zolotavin, V. L.
INTERACTION OF MAGNOMASS WITH RADIOACTIVE ISOTOPES UNDER DYNAMIC CONDITIONS (Vzaimodeistvie Magnomassy s Radioaktivnymi Izotopami v Dinamicheskikh Usloviyakh). 1963, 3p 2refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 300-302)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 510-511. (Abstract available)

Yatlov, V.S. and Pinaevskaya, E.N.
ÉQUILIBRE DANS LE SYSTÈME NaF - Al F3 - H2O (Equilibrium in the System Sodium and Aluminum Fluoride and Water). 8p. 14refs. CNRS-XIII bis 700.
Order from OTS, ETC or CNRS $0.90 TT-62-26384

Trans. in French of *Zhurnal Obshchei Khimii (USSR) 1949, v.19, no.1, p.24-31.

Yatsimirskii, K. B. and Zhukov, Yu. A.
KINETICS OF THE OXIDATION OF THE IODIDE ION BY HYDROGEN PEROXIDE IN THE PRESENCE OF THORIUM SALTS (Kinetika Reaktsii Okisleniya Iodida Perekis'yu Vodoroda v Prisutstvii Solei Toriya). 1963, 8p 12refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 247-254)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 466-472. (Abstract available)

Zemlyanukhin, V. I. and Savoskina, G. P.
EXTRACTION OF AMERICIUM BY TRIBUTYL PHOSPHATE (Ekstraktsiya Ameritsiya Tributilfosfatom). 1963, 7p 11refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 182-188)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 411-416. (Abstract available)

Zhuk, N.P.
CONSTANTES THERMODYNAMIQUES DES SULFATES, CARBONATES, CHROMATES, BROMATES, IODATES, OXALATES ET D'AUTRES SELS METALLIQUES DIFFICILEMENT SOLUBLES DANS L'EAU (Thermodynamic Constants of Sulfates, Carbonates, Chromates, Bromates, Iodates, Oxalates, and Other Salts Slightly Soluble in Water). 4p. 4refs. CNRS-VIII bis 713.
Order from OTS, ETC or CNRS $0.75 TT-62-26370

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1954, v.28, no.9, p.1690-1697.

Zivojinov, I. M.
STATISTICAL QUANTUM INTERPRETATION OF THE EQUILIBRIUM CONDITION BETWEEN LIQUID AND VAPOR PHASES AT BOILING TEMPERATURES OF MONOATOMIC ELEMENTS. 1963, 12p 3refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 5-16)

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 241-252. (Abstract available)

EARTH SCIENCES

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 9. 22 Jan 64, 22p JPRS: 22851.
Order from OTS $0.75 TT-64-21363

Trans. of selected abstracts from Referativnyi Zhurnal. Geofiz[ika] (USSR) 1963, no. 7; Referativnyi Zhurnal. Geogr[afiya] (USSR) 1963, no. 5.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 1. 8 Jan 64, 27p JPRS: 22651.
Order from OTS $0.75 TT-64-21234

Consists of abstracts of articles from the scientific and technical journals of Hungary and Yugoslavia.

Budyko, M. I.
EVAPORATION UNDER NATURAL CONDITIONS. 1963, 130p 235refs PL-480 Int.
Order from OTS $1.25 TT-63-11061

Trans. of mono. Isparenie v Estestvennykh Usloviyakh, Leningrad, 1948 [135p]. (Abstract available)
A partial trans. (p. 37-69) is available from SLA as RT-1361, 69p.

Chou, Tling-ju and Ch'eng, Hung.
MAJOR FORMS OF QUATERNARY LAND DEPOSITS IN SINKIANG AND THEIR RELATIONSHIP TO LANDFORM AND CLIMATIC DEVELOPMENTS [AND] PRELIMINARY RESEARCH INTO FORMS OF AGRICULTURE IN KAN TZU A PA REGION. 13 Jan 64, 105refs JPRS: 22707.
Order from OTS $2.25 TT-64-21271

Trans. of Ti Li Hsüeh Pao (Chinese People's Republic) 1963, v. 29, no. 2, p. 109-125, 156-168.

Dzerdzeevskii, B. L., ed.
SUKHOVEIS AND DROUGHT CONTROL. 1963, 366p 296refs PL-480 Comm.
Order from OTS $3.75 TT-63-11140

Trans. of mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.
Separate entries have been prepared for the individual articles.

Ivlev, V. S. and Yakovleva, K. K.
LEVEL OF ENERGY METABOLISM IN SPONGES. 21 Nov 63, 5p 9refs JPRS: 21987.
Order from OTS $0.50 TT-63-41202

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 152, no. 1, p. 241-243. (Abstract available)

Krasovskii, V. I., Gal'perin, Yu. I., Temnyi, V. V. [Mulyachik, T. M., and Dzhordzhio, N. V.].
SOME NEW RESULTS OF GEOPHYSICAL INVESTIGATIONS WITH THE AID OF THE SATELLITES KOSMOS 3 AND KOSMOS 5. 18 Nov 63 [17p] 20refs FTD-TT-63-1019.
Order from OTS, SLA, or ETC $1.60 TT-64-13173

Unedited rough draft trans. of #Geomagnetizm i Aeronomiya (USSR) 1963, v. 3, no. 3, p. 408-416. Another trans. is available from OTS $0.50 as TT-63-11748, APL/JHU-TG-230-T405, 16 Sep 63, 14p (Abstract available)

Osipov, N. K.
ON THE OUTER PART OF THE PERMANENT GEOMAGNETIC FIELD
B. W. Kuvshinoff, tr. 15 Nov 63, 13p 28refs APL/JHU TG 230-T421.
Contract NOw62-0604-c
Order from OTS $0.50 TT-64-11506

Trans. of #Geomagnetizm i Aeronomiya (USSR) 1963, v. 3, no. 2, p. 354-361. (Abstract available)

Zhongolovich, I. D.
AN ATTEMPT TO DETERMINE CERTAIN PARAMETERS OF THE EARTH'S GRAVITIONAL FIELD FROM THE RESULTS OF OBSERVATIONS OF SATELLITES 1957 β2, 1958 δ1, 1958 δ2 (Opyt Opredeleniya Nekotorykh Parametrov Gravitatsionnogo Polya Zemli iz Rezul'tatov Nablyudeniya Sputnikov 1957 β2, 1958 δ1, 1958 δ2) tr. by J. W. Palmer. Sep 60 [29p] 9refs RAE Library Trans. no. 913. Order from OTS, SLA, or ETC $2.60 TT-63-24309

Trans. of Byulleten' Stantsii Opticheskogo Nablyudeniya Iskusstvennykh Sputnikov Zemli (USSR) 1960, no. 2[12] p. 1-24. (Abstract available)

Climatology and Meteorology

RESOLUTIONS OF THE CONFERENCE ON THE PROBLEMS OF THE STUDY OF SUKHOVEIS AND RELATED HYDROMETEOROLOGICAL PHENOMENA, 21-24 DEC 53. 1963, 3p PL-480 Comm. Order from OTS $3.75 in TT-63-11140 (p. 341-343)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

SUKHOVEIS AND DROUGHTS AND MEASURES FOR COMBATING THEM: BIBLOIGRAPHY 1917-55). 1963, 23p 415refs PL-480 Comm. Order from OTS $3.75 in TT-63-11140 (p. 344-366)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

TRANSACTIONS OF THE SCIENTIFIC-RESEARCH INSTITUTE OF HYDROMETEOROLOGICAL INSTRUMENT CONSTRUCTION, 1959, NO. 7: SELECTED ARTICLES. 16 Sep 63 [81p] 9refs FTD-TT-63-538. Order from OTS, SLA, or ETC $8.10 TT-64-13295

Unedited rough draft trans. of Nauchno-Issledovatel'skii Institut Gidrometeorologicheskogo Priborostroeniya. Trudy (USSR) 1959, v. 7, p. 3-51.

Separate entries have been prepared for the individual articles.

Afanas'eva, V. I., and Kalinin, Yu. D.
VERY LARGE AND LARGE GEOMAGNETIC STORMS AND SOME PROBLEMS IN THEIR THEORY. Dec 63, 14p 6refs N64-11658. Order from OTS $1.75 in NASA-TT-F-105 (p. 1-14)

Trans. from [Zemnoi Magnetizm i Zemnye Toki: Sbornik Statei] (USSR) 1960, no. 4. (Abstract available)

Babushkin, L. N.
CLIMATIC CHARACTERISTICS OF THE SUMMER ATMOSPHERIC DROUGHTS AND SUKHOVEIS IN THE COTTON-GROWING AREA OF UZBEKISTAN (O Klimaticheskoi Kharakteristike Letnei Vozdushnoi Zasukhi i Sukhoveev v Khlopkovoi Zone Uzbekistana). 1963, 5p PL-480 Comm. Order from OTS $3.75 in TT-63-11140 (p. 54-58)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Baidal, M. H.
THE PRINCIPLES OF THE COMPLEX MACRO-CIRCULATION METHOD OF LONG-RANGE FORECASTING. 6 Dec 60 [53p] 19refs Trans. no. 79; [DSIR[NLL M. 3826. Order from OTS or SLA $5.60 TT-63-19738

Unedited trans. of Kaza[khskii] Nauc[hno]-Issled [ovatel'skii] Gidromet[eorologicheskii] Inst[itut]. Trudy (USSR) 1959, v. 10, p. 37-72. (Abstract available)

Berezin, V. M.
FORECASTING ATMOSPHERIC PRESSURE FIELDS USING EQUATIONS OF HYDRODYNAMICS. 8 Jan 64, 8p 6refs JPRS: 22646; N64-12903. Order from OTS $0.50 TT-64-21229

Trans. of Moscow U. Vestnik. Seriya [3]: Fizika, Astronomiya (USSR) 1963 [v. 18] no. 5, p. 28-33. (Abstract available)

Braslavskii, A. P. and Vikulina, Z. A.
EVAPORATION NORMS FROM WATER RESERVOIRS. I. Shechtman, tr. 1963, 218p 77refs PL-480 Int. Order from OTS $2.25 TT-63-11064

Trans. of mono. Normy Ispareniya s Poverkhnosti Vodokhranilishch, Leningrad, 1954 [212p]. (Abstract available)

Buchinskii, I. E.
DROUGHTS IN THE EAST EUROPEAN PLAIN DURING THE PAST THOUSAND YEARS (O Zasukhakh na Russkoi Ravnine za Poslednee Tysyacheletie). 1963, 7p 14refs PL-480 Comm. Order from OTS $3.75 in TT-63-11140 (p. 23-29)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Budagovskii, A. I.
THE DEPENDENCE OF EVAPORATION ON SOIL MOISTURE (Zavisimost' Ispareniya o: Vlazhnosti Pochvy). 1963, 9p 8refs PL-480 Comm. Order from OTS $3.75 in TT-63-11140 (p. 181-189)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Chubukov, L. A.
DYNAMICS OF LOCAL WEATHER DURING SUKHOVEI-DROUGHTS (Dinamika Mestnoi Pogody v Periody Obrazovaniya Sukhoveino-Zasushlivykh Kompleksov). 1963, 6p 7refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 132-137)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Dubinskii, G. P.
IRRIGATION AS A METHOD OF DIRECTED CLIMATIC AMELIORATIONS (Oroshenie kak Metod Napravlennykh Klimaticheskikh Melioratsii). 1963, 11p 9refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 330-340)

Trans. from mono. Zukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Dzerdzeevskii, B. L.
METEOROLOGICAL PARAMETERS OF THE SURFACE AIR LAYER OVER THE HUMID AND DRY SECTORS OF THE TRANS-VOLGA STEPPE (Meteorologicheskaya Kharakteristika Prizemnogo Sloya Vozdukha nad Uvlazhennymi i Sukhimi Uchastkami Zavolzhskoi Stepi). 1963, 19p 7refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 162-180)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957. (Abstract available)

Evseev, P. K.
THE MAKE-UP OF SUMMER SUKHOVEIS IN THE SOUTHEAST OF THE ETS (O Prirode Letnikh Sukhoveev na Yugo-Vostoke Evropeiskoi Chasti Sovetskogo Soyuza). 1963, 11p 11refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 100-110)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Fedorov, E. E.
THE INCIDENCE OF THE DOMINANT SUMMER WEATHER TYPES OVER THE SOUTHEAST OF THE ETS (Raspredelenie Vazhneishikh Tipov Letnei Pogody na Yugo-Vostoke Evropeiskoi Chasti SSSR). 1963, 13p 17refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 1-13)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Fel'dman, Ya. I.
DEFINITION OF METEOROLOGICAL CRITERIA FOR SUKHOVEI BY MEANS OF COMPLEX CLIMATOLOGY (Opredelenie Meteoroligicheskogo Kriteriya Sukhoveya pri Pomoshchi Metoda Kompleksnoi Klimatologii). 1963, 13p 7refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 87-99)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957, (Abstract available)

Gaivoronskii, I. I. and Seregin, Yu. A.
EXPERIMENTS ON THE DISSIPATION OF CLOUDS OVER LARGE AREAS [AND] DISSIPATION OF SUPERCOOLED FOG FROM THE GROUND. 19 Aug 63 [41p] 2refs FTD-TT-63-633.
Order from OTS, SLA, or ETC $4.60 TT-63-24247

Unedited rough draft trans. of Tsentral'naya Aerologicheskaya Observatoriya. Trudy (USSR) 1962, no. 44, p. 15-37. (Abstract available)

Gal'tsov, A. P.
EVAPORABILITY VARIATION AS AN INDEX OF THE PROCESS OF SUKHOVEI FORMATION (Izmeneniya Isparyaemosti kak Pokazatel' Protsessa Obrazovaniya Sukhoveya). 1963, 13p 5refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 190-202)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957. (Abstract available)

Gal'tsov, A. P.
METEOROLOGICAL CRITERIA FOR SUKHOVEI AND THEIR RELIABILITY (O Meteorologicheskikh Kriteriyakh Sukhoveev i Stepeni Ikh Dostovernosti). 1963, 13p 11refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 74-86)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957. (Abstract available)

Glukh, I. S.
CIRCULATION PHENOMENA INDUCING DROUGHT AND SUKHOVEIS (Tsirgulyatsionnye Usloviya, Podgotavlivayushchie Rasvitie Atmosfernoi Zasukhi i Sukhoveev). 1963, 7p 21refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 125-131)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957. (Abstract available)

Ivanov, V. K.
CAUSES OF OCCURRENCE AND CHARACTERISTICS OF THE SUKHOVEIS OF WEST SIBERIA (Usloviya Voznikoveniya i Kharakter Sukhoveev Zapadnoi Sibiri). 1963, 16p 35refs PL-480 Comm.
Order from OTS $4.75 in TT-63-11140 (p. 30-45)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Kalinin, Yu. D., ed.
GEOMAGNETIC DISTURBANCES: COLLECTION OF ARTICLES (Geomagnitnye Vozmushcheniya. Sbornik Statei). Dec 63, 66p 29refs N64-11657.
Order from OTS $1.75 NASA TT-F-105

Trans. of [Zemnoi Magnetizm i Zemnye Toki: Sbornik Statei] (USSR) 1960, no. 4.
Separate entries have been prepared for the individual articles. (Abstract available)

Khrgyan, A. Kh., ed.
CLOUD PHYSICS. 1963, 392p 632refs PL-480 Comm.
Order from OTS $4.00 TT-63-11141

Trans. of mono. Fizika Oblakov, Leningrad, 1961 [459p]. (Abstract available)

Kokoulin, P. P. and Yatsentkovskii, G. L.
CALCULATION OF THE EVAPORATION FROM RESERVOIRS (K Voprosu o Raschete Ispareniya s Poverkhnosti Vodokhranilishch). 1963, 16p 10refs PL-480 Int.
Order from OTS $0.50 TT-63-11145

Trans. of Tsimlyanskaya Gidrometeorologicheskaya Observatoriya. Sbornik Rabot (USSR) 1958, v. 1, p. 135-148. (Abstract available)

Kulik, M. S.
SUKHOVEI CRITERIA (Kriterii Sukhoveev). 1963, 6p 7refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 59-64)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957, (Abstract available)

Kuvshinova, K. V.
THE ROLE OF THE ENTRAINMENT OF AIR MASSES FROM SOVIET CENTRAL ASIA IN THE FORMATION OF SUKHOVEIS IN THE CASPIAN AREA (O Roli Vynosa Vozdushnykh Mass iz Srednei Azii pri Obrazovanii Sukhoveev v Prikaspii). 1963, 14p 15refs PL-480 Comm
Order from OTS $3.75 in TT-63-11140 (p. 111-124)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Lipskaya, N. V., Deniskin, N. A., Egorov, Yu. M., and Shel'ting, V. F.
STATIONARY MICROVARIATION STATION WITH PHOTOELECTRONIC AMPLIFICATION. Dec 63, 8p 3refs N64-11663.
Order from OTS $1.75 in NASA-TT-F-105 (p. 53-60)

Trans. from [Zemnoi Magnetizm i Zemnye Toki: Sbornik Statei] (USSR) 1960, no. 4. (Abstract available)

Mansurov, S. M.
SECULAR VARIATIONS OF THE GEOMAGNETIC FIELD OF THE EAST ANTARCTIC. Dec 63, 6p 6refs N64-11664.
Order from OTS $1.75 in NASA-TT-F-105 (p. 61-66)

Trans. from [Zemnoi Magnetizm i Zemnye Toki: Sbornik Statei] (USSR) 1960, no. 4. (Abstract available)

Mirkin, S. L.
THE EFFECT OF FIELD-PROTECTING AFFORESTATION ON CLIMATE AND ON GROUND WATER IN IRRIGATED REGIONS (Vliyanie Polezashchitnykh Lesonasazhdenii na Klimat i Gruntovye Vody v Oroshaemykh Raionakh). 1963, 8p 8refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 322-329)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957. (Abstract available)

Mishin, V. M., Mishina, N. A., and Kalinoskaya, G. P.
ANALYSIS OF LATITUDINAL VARIATIONS IN THE YEARLY COURSE OF MAGNETIC ACTIVITY. Dec 63, 11p 3refs N64-11659.
Order from OTS $1.75 in NASA-TT-F-105 (p. 15-25)

Trans. from [Zemnoi Magnetizm i Zemnye Toki: Sbornik Statei] (USSR) 1960, no. 4. (Abstract available)

Mogil'ner, L. N. and Shevchenko, F. N.
AN AUTOMATIC RADIOMETEOROLOGICAL STATION FOR RESERVOIRS (ARIV-52). 16 Sep 63, 23p 1ref FTD-TT-63-538 (p. 56-78)
Order from OTS, SLA, or ETC $8.10 in TT-64-13295 (p. 56-78)

Unedited rough draft trans. of Nauchno-Issledovatel'skii Institut Gidrometeorologicheskogo Priborostroeniya. Trudy (USSR) 1959, v. 7, p. 36-51.

Ol', A. I.
SYNOPTIC CHARTS OF MAGNETIC DISTURBANCE IN THE ARCTIC. Dec 63, 10p 4refs N64-11660.
Order from OTS $1.75 in NASA-TT-F-105 (p. 26-35)

Trans. from [Zemnoi Magnetizm i Zemnye Toki: Sbornik Statei] (USSR) 1960, no. 4. (Abstract available)

Ponomarev, E. A.
ON THE NATURE OF THE COASTAL EFFECT. Dec 63, 10p 3refs N64-11662.
Order from OTS $1.75 in NASA-TT-F-105 (p. 43-52)

Trans. from [Zemnoi Magnetizm i Zemnye Toki: Sbornik Statei] (USSR) 1960, no. 4. (Abstract available)

Rusin, N. P.
EVAPORATION AND HEAT BALANCE DURING SUKHOVEIS (Isparenie i Teplovoi Balans pri Sukhoveyakh). 1963, 18p 6refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 238-255)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957. (Abstract available)

Samokhvalov, N. F.
THE CLIMATIC MAKE-UP SUKHOVEIS IN KAZAKHSTAN (Klimatikheskaya Kharakteristika Sukhoveev Kazakhstana). 1963, 8p 9refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 46-53)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Savrukhin, A. P.
ATMOSPHERIC CURRENTS AT ALTITUDES OF 80-100 KM BY OBSERVING THE DRIFTS OF METEORIC TRACES. 9 Oct 63 [7p] 6refs FTD-TT-63-845.
Order from OTS, SLA, or ETC $1.10 TT-64-13113

Unedited rough draft trans. of Meteorologiya i Gidrologiya (USSR) 1962, no. 10, p. 34-36.
Another trans. is available from OTS or SLA $4.60 in TT-63-13635, JPRS-16905, 28 Dec 62 [48p].
(Abstract available)

Sharonov, V. V.
PROBLEMS AND METHODS OF THE ABSOLUTE PHOTOMETRY OF NOCTILUCENT CLOUDS (Problemy i Metody Absolyutnoi Fotometrii Serebristykh Oblakov). Rept. on AID Work Assignment no. 35. 28 Jan 64 [28p] 18refs AID Rept. T-64-7.
Order from OTS, SLA, or ETC $2.60 TT-64-13661

Trans. of Meteorologiya: [Sbornik Statei] (USSR) [1960] no. 1, p. 124-140. (Abstract available)
Another trans. is available from OTS $1.75 in TT-63-11749, NASA-TT-F-84 (p. 18-34).

Shtein, N. I.
RADIO TRANSMITTER OF THE AUTOMATIC RADIO-METEOROLOGICAL STATION (ARMS-N). 16 Sep 63, 20p 5refs FTD-TT-63-538 (p. 36-55)
Order from OTS, SLA, or ETC $8.10 in TT-64-13295 (p. 36-55)

Unedited rough draft trans. of Nauchno-Issledovatel'skii Institut Gidrometeorologicheskogo Priborostroeniya. Trudy (USSR) 1959, v. 7, p. 25-35.

Skachkova, I. F. and Shvarts, M. V.
ON THE MEASUREMENT OF DEW (Ob Izmerenii Rosy). 1963, 5p 4refs PL-480 Agr.
Order from OTS $0.50 TT-63-11021

Trans. of Meteorologiya i Gidrologiya (USSR) 1959, no. 4, p. 55-58. (Abstract available)

Struzer, L. R.
THE ACCURACY OF THE HEAT-BALANCE METHOD OF CALCULATING EVAPORATION (K Voprosu o Tochnosti Opredeleniya Isphareniya Metodom Teplovogo Balansa). 1963, 14p 5refs PL-480 Int.
Order from OTS $0.50 TT-63-11147

Trans. from Gosudarstvennyi Gidrologicheskii Institut. Trudy (USSR) 1956, v. 54, p. 80-91. (Abstract available)

Surazhskii, D. Ya.
THE AUTOMATIC RADIOMETEOROLOGICAL STATION (ARMS-N). 16 Sep 63, 35p 3refs FTD-TT-63-538 (p. 1-35)
Order from OTS, SLA, or ETC $8.10 in TT-64-13295 (p. 1-35)

Unedited rough draft trans. of Nauchno-Issledovatel'skii Institut Gidrometeorologicheskogo Priborostroeniya. Trudy (USSR) 1959, v. 7, p. 3-24.

Tsuberbiller, E. A.
AGROMETEOROLOGICAL CRITERIA FOR SUKHOVEIS (Agrometeorologicheskie Kriterii Sukhoveev). 1963, 9p 7refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 65-73)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Vinogradov, N. D. and Makurina, G. A.
SYNOPTIC CONDITIONS FOR THE DEVELOPMENT OF STORMS IN THE SPITZBERGEN REGION. 27 Jul 61 [10p] (figs omitted) Trans. no. 107 (M); [DSIR] NLL M. 3747.
Order from OTS, SLA or ETC $1.10 TT-63-19810

Unedited trans. of Arkt[icheskii i] Antarkt[icheskii] Nauc[hno]-Issled[ovatel'skii] Inst[itut]. T[rudy] (USSR) 1960, v. 230, p. 17-28. (Abstract available)

Vitvitskii, G. N.
EFFECTIVE MEASURES FOR REDUCING THE HARMFUL EFFECT OF SUKHOVEIS (Effektivnye Mery Oslableniya Vrednogo Deistviya Sukhoveev). 1963, 21p 28refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 266-286)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Vorontsov, P. A.
LOCAL AIR CIRCULATION IN REGIONS WITH AMELIORATED CLIMATE (O Mestnykh Tsirkulyatsiyakh Vozdukha v Raionakh s Melioratsiei Klimata). 1963, 8p 1ref PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 287-294)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Vorontsov, P. A.
TRANSFORMATION OF AIR UNDER THE EFFECT OF THE UNDERLYING SURFACE IN SUKHOVEIS AND FOEHNS (O Transformatsii Vozdukha pod Vozdeistviem Podstilayushchei Poverkhnosti pri Sukhoveiyakh i Fenakh). 1963, 26p 20refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 212-237)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957. (Abstract available)

Vul'fson, N. I. and Pavlova, I. S.
EFFECT OF WATER SURFACES ON AIR HUMIDITY (K Voprosu o Vliyanii Vodnykh Poverkhnostei na Vlazhnost' Vozdukha). 1963, 10p PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 256-265)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Yudin, M. I.
ESTIMATION OF THE DEGREE OF SUKHOVEI PROTECTION OF FIELDS SURROUNDED BY FOREST BELTS (K Otsenke Zashchishchennosti ot Sukhoveev Polei, Okruzhennykh Lesnymi Polosami). 1963, 7p 7refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 295-301)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Zaiko, M.
WEATHER MODIFICATION TECHNIQUES: SOVIET REVIEW. 3 Jan 64, 6p JPRS: 22609.
Order from OTS $0.50 TT-64-21213

Trans. of Grazhdanskaya Aviatsiya (USSR) 1963 [v. 20] no. 11, p. 22-23.

Zakiev, Kh. Ya.
EFFECT OF FOREST BELTS ON THE MOISTURE AND TEMPERATURE VARIATION OF SURFACE WIND (Vliyanie Lesnoi Polosy na Izmenenie Rezhima Vlazhnosti i Temperatury Vozdushnogo Potoka u Poverkhnosti Zemli). 1963, 10p 4refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 302-311)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957. (Abstract available)

Zavarina, M. V.
ANALYSIS OF THE TRANSFORMATION OF COLD AIR MASSES MOVING OVER THE ETS IN THE WARM SEASON (Ob Analize Transformatsii Kholodnykh Mass, Dvidzhushchikhsya nad Evropeiskoi Chast'yu SSSR v Teploe Vremya Goda). 1963, 9p 6refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 203-211)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Zavarina, M. V.
AN EXCEPTIONAL CASE OF COLD SUKHOVEI IN CRIMEA (Isklyuchitel'nyi Sluchai Kholodnogo Sukhoveya v Krymu). 1963, 4p 3refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 138-141)

Trans. from mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957.

Zhigalov, L. N.
SOME PECULIARITIES OF VARIATIONS IN THE VERTICAL COMPONENT OF THE MAGNETIC FIELD OF THE EARTH IN THE ARCTIC OCEAN. Dec 63, 7p 4refs N64-11661.
Order from OTS $1.75 in NASA-TT-F-105 (p. 36-42)

Trans. from [Zemnoi Magnetizm i Zemnye Toki: Sbornik Statei] (USSR) 1960, no. 4. (Abstract available)
Another trans. is available from NRC as NRC-C-385[illegible], DSIS-T-358-R, Oct 61, 4p.

Frost Science

Shvetsov, P. F.
FUNDAMENTAL CONCEPTS AND TERMS IN GEOCRYOLOGY (PERMAFROST STUDIES) tr. by Orest Popovych. Jun 60 [15p] 3refs ACFEL Trans. no. 28; AD-238 977.
Order from OTS, SLA, or ETC $1.60 TT-63-15694

Trans. of mono. Osnovnye Ponyatiya i Terminy Geokriologii (Merzlotovedeniya) [Moscow] 1956.

Trupak, N. G.
ACCUMULATION OF NATURAL COLD FOR GROUND FREEZING (Akkumuliatsiya Estestvennogo Kholoda dlya Zamarazhivaniya Gruntov) tr. by Orest Popovych. Jun 60 [16p] 5refs ACFEL Trans. no. 27; AD-238 974.
Order from OTS, SLA, or ETC $1.60 TT-63-15695

Trans. of [Promyshlennoe Stroitel'stvo] (USSR) 1939, v. 17, no. 6, p. 47-50. (Abstract available)

Geology

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 7. 21 Jan 64, 48p JPRS: 22832.
Order from OTS $1.50 TT-64-21351

Trans. of selected abstracts from Referativnyi Zhurnal. Geogr[afiya] (USSR) 1963, no. 9; Referativnyi Zhurnal. Geol[ogiya] (USSR) 1963, nos. 5-7.

Adamov, A.N.
APPRÉCIATION DE L'EFFICACITÉ DE RÉGIMES DE DISLOCATION DES ROCHES (Otseuka Effektivnosti Rezhimov Razrusheniya Gornykh Porod) (Valuation of the Efficiency of Dislocation of Rock). 17p. 2refs. CNRS-XXV 310.
Order from OTS, ETC or CNRS $0.80 TT-62-26360

Trans. in French of Neftyanoe Khozyaistvo (USSR) 1958, v.36, no.2, p.7-13.
Other translations in English are available from ATS $9.25 as ATS-38 K26R, and from OTS or SLA $2.60 as 62-14579.

Bolkhakov, S.M.
SONDE POUR PRÉLEVER DES ÉCHANTILLONS UNIFORMES DE SOL DANS LES TRONS DE FORAGE (Earth Borer for Uniform Soil Sampling in the Bore Hole). 7p. CNRS-XXV 305.
Order from OTS, ETC or CNRS $0.80 TT-62-26361

Trans. in French from Neftyanoe Khozyaistvo (USSR), 1956, v.34, no.3.

Bonchev, E.
THE GEOLOGICAL INSTITUTE OF THE BULGARIAN ACADEMY OF SCIENCE IN THE SERVICE OF SCIENCE AND GEOLOGICAL PRACTICE. 22 Jan 64, 11p JPRS: 22844.
Order from OTS $0.50 TT-64-21358

Trans. of Priroda (Bulgaria) [1963] v. 12, no. 4, p. 119-124.

Burtman, V. S.
LOWER CARBONIFEROUS DEPOSITS OF THE MIDDLE TIEN SHAN AND THE TALAS-FERGANA FAULT. 22 Jan 64, 21p 18refs JPRS: 22852.
Order from OTS $0.75 TT-64-21364

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Geologiya i Razvedka (USSR) 1962 [v. 5] no. 9, p. 29-42.

Gudok, N.S. and Kusakov, M.M.
ÉTUDE EXPÉRIMENTALE DE L'INFLUENCE DE LA PRESSION EXTÉRIEURE SUR LA PERMÉABILITÉ DES ROCHES PÉTROLIFÈRES (An Experimental Study of the Influence Exerted by the External Pressure on the Permeability of Oil-Bearing Rocks). 8p. 7refs. CNRS-XXV 379.
Order from OTS, ETC or CNRS $0.80 TT-62-26739

Trans. in French of Akademiya Nauk SSSR. Doklady, 1958, v.119, no.2, p.229-232.

Kuznetsov, S. I.
BIOGEOCHEMISTRY OF SULFUR. 9 Jan 64, 18p 16refs JPRS: 22672.
Order from OTS $0.50 TT-64-21249

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 5, p. 668-680. (Abstract available)

Myakokin, V. S.
THE KHVALYN SEA TERRACES OF THE MANGYSHLAK COAST, AND THE STUDY OF THE NEOTECTONIC MOVEMENTS OF THE PENINSULA (Khvalynskie Morskie Terrasy Poberezh'ya Mangyshlaka i Problema Izucheniya Neotektonicheskikh Dvizhenii Poluostrova)
H. D., tr. 3 Dec 63, 8p 8refs
I-3585 A.
Order from OTS $0.50 TT-64-11532

Trans. of Moscow U. Vestnik. [Seriya 5: Geografiya] (USSR) 1963 [v. 18, no. 2, p. 26-30].

Salekhov, G.S.
POSE ET MÉTHODE DE RÉSOLUTION DES PROBLÈMES HYDRODYNAMIQUES CONCERNANT LA DÉFORMATION DU FRONT EAU-HUILE, AU COURS DE L'EXPLOITATION D'UN GISEMENT (Pose and Method for Resolving Hydrodynamic Problems Concerning the Water-Oil-Barrier Deformation During the Exploitation of a Deposit). 56p. 11refs. CNRS-XXV 342.
Order from OTS, ETC or CNRS $1.90 TT-62-26724

Trans. in French of Akademiya Nauk SSSR. Kazanskii Filial. Izvestiya. Seriya Fiziko-Matematicheskikh i Tekhnicheskikh Nauk, 1955, no.6, p.3-38.

Simonov, V.V. and Potapov, F.Yu.
DE LA RELATION ENTRE LES PARAMÈTRES ÉNERGÉTIQUES CARACTÉRISANT LE PROCESSUS DE DESTRUCTION D'UNE ROCHE (O Sootnoshenii Energeticheskikh Parametrov, Kharakterizuyushchikh Protsess Razrusheniya Gornoi Porody). (Relation between Energy Parameters Characterizing the Destruction of Rock). 11p. (foreign text included) 4refs. CNRS-XXv 526
Order from OTS, ETC or CNRS $0.80 TT-62-26405

Trans. in French of Neftyanoe Khozyaistvo (USSR) v.38, 1960, no.9, p.36-39.
Another trans. is available in English from ATS $7.65 as ATS-41M47R, 4p.

Stovas, M. V.
THE IRREGULARITY OF THE EARTH'S ROTATION AS A PLANETARY GEOMORPHOLOGICAL AND GEOTECTONIC FACTOR
E. R. Hope, tr. Nov 63 [15p] 37refs DSIS T 2 Ukr.
Order from NRC NRC-C-4658

Trans. of Geologichnyy Zhurnal (USSR) 1957, v. 17, no. 3, p. 58-69. (Abstract available)

Vasil'ev, Yu.N.
SUR LE MOUVEMENT DES MÉLANGES HYDRO-SABLONNEUX DANS LES FENTES (O Dvizhenii Peschano-Zhidkostnykh Smesei po Shchelyam) (The Movement of Mixtures of Water and Sandin Fissures). 12p. (foreign text included) 3refs. CNRS-XXV 426
Order from OTS, ETC or CNRS $1.10 TT-62-26391

Trans. in French of Neftyanoe Khozyaistvo (USSR) 1958, v.36, no.10, p.35-39.

Mineralogy

Kirillov, A. S. and Rylov, V. S.
THE SOURCES OF MAGNESIUM IN CARBONATITES (Ob Istochnikakh Magniya v Karbonatitakh). Nov 63 [9p] 13refs RTS-2342.
Order from OTS, SLA, or ETC $1.10 TT-63-24622

Trans. of Vsesoyuznoe Mineral[ogicheskoe] Obshch[estvo]. Zapiski (USSR) 1963, v. 92, no. 2, p. 228-231. (Abstract available)

Lazarev, K. F.
THE PROBLEM OF THE KINETICS OF LEACHING OF RADIOACTIVE ELEMENTS FROM MINERALS (K Voprosu o Kinetike Vyshchelachivaniya Radioaktivnykh Elementov iz Mineralov). 1963, 6p 13refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 129-134)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 3, p. 359-364. (Abstract available)

Leitner, J., Vlnatý, J. and Halousek, J.
INFLUENCE DU DEGRÉ DE RÉDUCTION DES MINÉRAIS DE FER SUR LEUR RAMOLLISSEMENT (Effect of Degree of Reduction on the Softening of Iron Ores). 23p. 18refs. CNRS-VII 527.
Order from OTS, ETC or CNRS $0.89 TT-62-28099

Trans. in French of Hutnické Listy (Czechoslovakia) 1959, v.14, no.8, p.659-667.

Obleukhov, T.V.
CONTRIBUTION AU PROBLÈME DE LA CLASSIFICATION DES ROCHES D'APRÈS LEURS PROPRIÉTÉS MÉCANIQUES (Contribution to the Problem of Rock Classification by Mechanical Properties). 8p. CNRS-XXV 380.
Order from OTS, ETC or CNRS $0.80 TT-62-26743

Trans. in French of Neftyanoe Khozyaistvo (SSSR) 1957, v.35, no.10, p.21-23.

Pol'kin, S. I.
FLOTATION OF TIN ORES (Flotatsiya Olovyannykh Rud). Sep 63 [55p] RTS 2104.
Order from OTS, SLA, or ETC $5.60 TT-63-24365

Trans. of mono. Flotatsiya Rud Redkikh Metallov i Olova [Flotation of the Ores of Rare Metals and Tin] Moscow, 1960, p. 288-343.

Solov'ev, S. P.
ACTIVITY OF THE ALL-UNION MINERALOGICAL SOCIETY (1962). 7 Jan 64, 23p JPRS: 22635.
Order from OTS $0.75 TT-64-21223

Trans. of Vsesoyuznoe Mineralogicheskoe Obshchestvo. Zapiski (USSR) 1963, v. 92, no. 4, p. 499-508.

Oceanography

Gor'kova, I. M.
STRUCTURE FORMATION IN MARINE SEDIMENTS. [1963] [3p] 2refs [DSIR] NLL M.10034.
Order from OTS, SLA, or ETC $1.10 TT-63-23344

Trans. of Akademiya Nauk SSSR. Doklady, 1958, v. 123, no. 2, p. 343-345. (Abstract available)
Another trans. is available from CB $5.00

Kudinov, E.I.
TUBE DE CAROTTAGE À PISTON ET À VIBRATEUR (Vibroiorshchnevaya Gruntovaya Trubka) (Core Barrel with Piston and Vibrator). 21p. (foreign text included). 2refs. CNRS-XXV 473.
Order from OTS, ETC or CNRS $1.50 TT-62-26399

Trans. in French of Akademiya Nauk SSSR. Institut Okeanologii Trudy, 1957, v.25, p.143-152.

Starik, I. E., Kuznetsov, Yu. V., Legin, V. K., and Simonyak, Z. N.
ON SOME PECULIARITIES OF THE IONIUM METHOD OF AGE DETERMINATION (O Nekotorykh Osobennostyakh Ionievogo Metoda Opredeleniya Vozrasta). 1963, 9p 8refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 273-281)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 490-497. (Abstract available)

Physics of the Atmosphere

Lavrov, V. S.
RESULTS OF ELECTROMETRIC INVESTIGATIONS ON THE INFLUENCE OF SHELTER BELTS ON THE VARIATION OF AIR TEMPERATURE AND RELATIVE HUMIDITY NEAR THE GROUND (Rezul'taty Elektrometricheskikh Issledovanii Vliyaniya Polezashchitnykh Lesonasazhdenii na Izmenenie Rezhima Temperatury i Vlazhnosti Vozdushnogo Potoka u Poverkhnosti Zemli). 1963, 10p 4refs PL-480 Comm.
Order from OTS $3.75 in TT-63-11140 (p. 312-321)

Trans. of mono. Sukhovei Ikh Proiskhozhdenie i Bor'ba s Nimi, Moscow, 1957, [p. 322-331].
Another trans. is available from OTS $0.50 as TT-60-21895, [Dec 61] 11p. (Abstract available)

Nemec, L.
CONTRIBUTION TO EXPERIMENTAL DETERMINATION OF DIFFUSION PARAMETERS OF GASES IN THE ATMOSPHERE. 16 Jan 64, 8p (fig omitted) 2refs JPRS: 22767.
Order from OTS $0.50 TT-64-21309

Trans. of Meteorologicke Zpravy (Czechoslovakia) 1963, v. 16, no. 3/4, p. 66-68. (Abstract available)

ENGINEERING

ABSTRACTS FROM EAST EUROPEAN SCIENTIFIC AND TECHNICAL JOURNALS NO. 377 (ELECTRONICS, ENGINEERING AND SPACE RESEARCH SERIES). 17 Dec 63, 26p JPRS: 22332.
Order from OTS $0.75 TT-64-21045

Consists of abstracts of articles from the scientific and technical journals of Czechoslovakia and Poland.

DRILL COLLAR FOR BORING OPERATIONS
I. R. -P., tr. 26 Nov 63, 7p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-63-24613

Trans. of Belgian patent 564,188, internat. cl. E 21c, by Naamloze Vennootschap de Bataafsche Petroleum Maatschappij (Netherlands) appl. 23 Jan 58, granted 15 Feb 58, pub. 17 Jun 60 (Abstract available)

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ELECTRONICS, ENGINEERING AND SPACE RESEARCH NO. 1. 8 Jan 64, 8p JPRS: 22652.
Order from OTS $0.50 TT-64-21235

Consists of abstracts of articles from the scientific and technical journals of East Germany and Yugoslavia

RUSSIAN PATENT ABSTRACTS: 130864-130868. 21 Oct 63 [5p] FTD-TT-63-937.
Order from OTS, SLA, or ETC $1.10 TT-64-13122

Trans. of Byulleten' Izobretenii i Tovarnykh Znakov (USSR) 1962, no. 16, p. 7. (Abstract available)

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ENGINEERING NO. 7. 22 Jan 64, 113p JPRS: 22855.
Order from OTS $2.50 TT-64-21365

Consists of abstracts of articles from USSR scientific and technical journals.

Bashta, T. M.
CALCULATIONS AND PHYSICAL DESIGNS FOR AIRCRAFT HYDRAULIC DEVICES. 11 Oct 63 [770p] 17refs FTD-TT-63-939.
Order from OTS, SLA, or ETC $31.00 TT-64-13050

Unedited rough draft trans. of mono. Raschety i Konstruktsii Samoletnykh Gidravlicheskikh Ustroistv, 3d ed. rev., Moscow, 1961, 474p. (Abstract available)

Beller, N.N. and Zhevlakov, V.A.
EST-IL RATIONNEL D'EMPLOYER LES BAINS D'ACIDES CHLORHYDRIQUES DANS LE CIMENTAGE DES PUITS? (Tselesoobrazno li Primenenie Solyanokislotnykh vann Pri Tsementirovanii Skvazhin) (Is the Use of Hydrochloric Acid Advisable Before Cementation of Wells?). 10p. (foreign text included) CNRS-XXV 569
Order from OTS, ETC or CNRS $1.00 TT-62-26401

Trans. in French of Neftyanoe Khozyaistvo (USSR) 1960, v.38, no.11, p.30-33.
A translation in English is available from ATS $7.50 as ATS-49N50R.

Bernshtein, M.A.
PARTICULARITÉS D'EXPLOITATION DES GISEMENTS DE GAZ SITUÉS DANS DES POCHES DE PERMÉABILITÉ NON UNIFORME (Gas Deposits Exploitation from Non-Uniform Permeable Pockets). 11p. 3refs. CNRS-XXV 300.
Order from OTS, ETC or CNRS $1.05 TT-62-26364

Trans. in French of Gazovaya Promyshlennost'(USSR) 1956, no.2, p.7-10.

Gorka, H. and Stepek, R.
L'EMMAGASINEMENT DANS LE GISEMENT DU ROZTOKI DU GAZ PROVENANT DE STRAKHOTZINE (Magazynowanie Gazu Strachocinskiego w Zlozu Roztockim) (The Storing of Gas from Strakhotzin in the Roztok Deposit). 17p. (foreign text included) CNRS-XXV 289.
Order from OTS, ETC or CNRS $0.80 TT-62-26408

Trans. in French of Nafta (Poland), 1957, v.13, no.4, p.98-103.

Krichevskii, R. M. and Moroz, G. R.
INVESTIGATION OF THE POSSIBILITY OF PREVENTING OUTBURSTS BY COMPLETE CAVING OF THE ROOF. Nov 63 [7p] RTS-2263.
Order from OTS, SLA, or ETC $1.10 TT-63-24635

Trans. of mono. Issledovanie Vozmozhnosti Predotrashcheniya Vybrosov Putem Polnogo Obrusheniya Krovli [Makeevka] 1959/60, p. 51-54. (Abstract available)

Kuzmichev, D.N.
NOMOGRAMME POUR LE CALCUL LORS D'UN PROCESSUS DE LA RUPTURE HYDRAULIQUE D'UNE COUCHE (Nomogramma dlya Raschetov pri Provedenii Gidravlicheskogo Rozryva Plasta) (Nomogram for the Calculation of Hydraulic Rupture of a Layer). 10p. (foreign text included) 3refs. CNRS-XXV 463 bis.
Order from OTS, ETC or CNRS $0.80 TT-62-26403

Trans. in French of Neftyanoe Khozyaistvo (USSR), 1958, v.36, no.7, p.55-57.
Translation in English available from ATS $6.00 as ATS-17L30R.

Ponomarev, G.V.
CALCUL DE LA PRESSION DANS LE FORAGE D'EXPLOITATION D'APRÈS LA PRESSION STATIQUE MESURÉE À L'ORIFICE DU TROU (Computation of Bed Pressures in Gas Wells from the Value of the Static Pressure Measured at the Mouth of the Well). 14p. 4refs. CNRS-XXV 301.
Order from OTS, ETC or CNRS $1.15 TT-62-26363

Trans. in French of Gazovaya Promyshlennost'(USSR) 1956, no.9, p.3-7.

Titkov, N.I., Varzanov, M.A., and others.
FORAGE AU MOYEN DE DÉCHARGES ÉLECTRIQUES DANS UN LIQUIDE (Drilling with the Aid of Electrical Discharges in Liquid). 13p. 4refs. CNRS-XXV 363.
Order from OTS, ETC or CNRS $0.80 TT-62-26731

Trans. in French of Neftyanoe Khozyaistvo (USSR) 1957, v.35, no.10, p.5-10.
Other translations in English are available from OTS or SLA $1.60 as 62-16658, 1962, 12p. and from ATS as ATS-85J19R, 7p.

Umrikhine, I.D.
EXAMEN, SUR MODÈLES DE COUCHES, DU RÉTABLISSEMENT DE LA PRESSION DANS LES PUITS DE GAZ (Bed Model Examination of the Pressure Re-Establishment in Gas Wells). 15p. 5refs. CNRS-XXV 291.
Order from OTS, ETC or CNRS $1.20 TT-62-26365

Trans. in French of Gazovaya Promyshlennost'(USSR) 1957, v.2, no.9, p.1-5.

Chemical Engineering

ECONOMIC PROBLEMS OF BASIC CHEMISTRY. 24 Dec 63, 5p JPRS: 22455 (p. 60-65)
Order from OTS $2.50 in TT-64-21121 (p. 60-65)

Trans. from Ekonomicheskaya Gazeta (USSR) 1963, no. 42[115] p. 10.

FUTURE EXPANSION OF THE CHEMICAL INDUSTRY OF KAZAKHSTAN. 24 Dec 63, 5p JPRS: 22455 (p. 71-75)
Order from OTS $2.50 in TT-64-21121 (p. 71-75)

Trans. from Kazakhstanskaya Pravda (USSR) 1963, 11 Oct, p. 2.

LATEST DEVELOPMENTS IN THE CHEMICAL INDUSTRY. 9 Jan 64, 2p JPRS: 22671 (p. 67-68).
Order from OTS $2.25 in TT-64-21248 (p. 67-68)

Trans. from Ekonomicheskaya Gazeta (USSR) 1963, no. 43(116) p. 14.

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 130. 24 Dec 63, 107p JPRS: 22455.
Order from OTS $2.50 TT-64-21121

Trans. of 28 selected articles from Oct 63 issues of various Russian publications.

Separate entries have been prepared for 5 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 133. 9 Jan 64, 88p JPRS: 22671.
Order from OTS $2.25 TT-64-21248

Consists of 26 articles from 1963 issues of Russian newspapers.

Separate entries have been prepared for 2 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 141. 24 Jan 64, 75p JPRS: 22900.
Order from OTS $2.00 TT-64-21389

Trans. of 22 selected articles from Nov 63 issues of various Russian language newspapers. (Abstract available)

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL MACHINE BUILDING NO. 38. 31 Dec 63, 29p JPRS: 22543.
Order from OTS $1.00 TT-64-21175

Consists of 10 articles from Oct-Nov 63 issues of Russian newspapers. (Abstract available)

Hirschberg, Rudolf.
ON A PROCESS FOR THE MANUFACTURE OF CHLORINE DIOXIDE ON THE BASIS OF THE REACTION OF CALCIUM CHLORATE WITH HYDROCHLORIC ACID (Über ein Verfahren zur Herstellung von Chlordioxyd auf Grundlage des Umsatzes von Calciumchlorat mit Salzsäure). [1963] [18p] (foreign text included) 8refs
Order from SLA $1.60 TT-63-20574

Reprint trans. of das Papier (Germany) 1963, v. 17 [no. 1] p. 1-5. (Abstract available)

Kafarov, V.
CYBERNETICS IN CHEMISTRY. 8 Jan 64, 5p (photo omitted) JPRS: 22645.
Order from OTS $0.50 TT-64-21228

Trans. from Pravda, Moscow (USSR) 1963, 13 Oct, p. 2.

Khan, G. H., Fed'kovskii, I. A., and Smirnov, V. V.
ON THE PROBLEM OF THE OXIDISABILITY OF MOLYBDENITE DURING FLOTATION (K Voprosu Okislyaemosti Molibdenita pri Flotatsii) tr. by J. W. Palmer. May 63 [9p] 11refs RAE Library trans. no. 1036.
Order from OTS, SLA, or ETC $1.10 TT-63-23613

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR) 1962 [v. 5] no. 4, p. 54-59. (Abstract available)

Kilshtedt, K.K., Khalipa, V.M. and others.
LA FIXATION DU BROUILLARD D'ACIDE SULFURIQUE (Removal of Sulfuric Acid Fog). 7p. CNRS-VI 360.
Order from OTS, ETC or CNRS $0.80 TT-62-28051

Trans. in French of Khimicheskaya Nauka i Promyshlennost (USSR) 1957, v.2, p.793-794.

Krapukhin, B.A.
UTILISATION DE LA CHALEUR LORS DE LA PRODUCTION DE L'ACIDE SULFURIQUE (Conservation of Heat in Sulfuric Acid Manufacture). 13p. 2refs. CNRS-VI 185.
Order from OTS, ETC or CNRS $0.80 TT-62-28055

Trans. in French of Khimicheskaya Promyshlennost' (USSR) 1954, no.3, p.135-139.

Manyushis, I.
LARGE-SCALE CHEMICAL INDUSTRY IS EXPANDING IN THE LITHUANIAN SSR. 24 Dec 63, 3p JPRS: 22455 (p. 21-23)
Order from OTS $2.50 in TT-64-21121 (p. 21-23)

Trans. from Sovetskaya Litva (Lithuanian SSR) 1963, 15 Oct, p. 1.

Mikulinskii, A. S. and Patrushev, D. A.
A SCHEME SHOWING THE RELATIONS BETWEEN PHYSICOCHEMICAL AND ELECTRIC PROCESSES CONNECTED WITH THE PRODUCTION OF PHOSPHORIC ACID BY ELECTROFURNACES
Bertha P. Klenova, tr. 12 Jul 61 [21p] 18refs [TVA] 3931.
Order from OTS, SLA, or ETC $2.60 TT-63-24281

Trans. of Ural'[skii] Nauch[no]-Issledovatel'[skii] Khim[icheskii] Inst[itut]. Trudy (USSR) 1957, v. 5, p. 263-280. (Abstract available)

Nomura, Isamu and Kaga, Sadahiro.
NULL-ADJUSTING DEVICE FOR GAS ANALYSERS. Feb 64, 7p
Order from SA $16.00 SA Code-P-241

Trans. of published Japanese patent 2750/1955, 23 Apr 55, cl. 113-C-12 (appl. no. 1904/1953, 5 Feb 53) by Shimuza Factory Inc. (Abstract available)

Sokol'skii, A.V.
MOYENS POUR RÉDUIRE LE DANGER DES GAZ DE NITROSE REJETÉS PAR LES USINES D'ACIDE SULFURIQUE (Means for Reducing the Danger of Nitrous Gases from Sulfuric-Acid Factories). 12p. 2refs. CNRS-VI 186.
Order from OTS, ETC or CNRS $0.80 TT-62-28425

Trans. in French of Khimicheskaya Promyshlennost' SSSR, 1954, no.2, p.26-28.

Vasyunina, G. V. and Aksel'rod, L. S.
FREEZING OUT MOISTURE AND CARBON DIOXIDE IN TUBULAR HEAT EXCHANGERS. 26 Jul 63 [37p] 22refs. FTD-TT-63-320.
Order from OTS, SLA, or ETC $3.60 TT-63-24227

Trans. of Vsesoyuznyi Nauchno-Issledovatel'skii Institut Kislorodnogo Mashinostroeniya. [Trudy] (USSR) 1961, v. 4, p. 184-207. (Abstract available)

Vynarov, I. V. and Koval'ova, E. I.
PRODUCTION OF COMPACT HAFNIUM BY THE IODIDE METHOD. 16 Dec 63, 8p 3refs JPRS: 22297. Order from OTS $0.50 TT-64-21027

Trans. of Khimichna Promyslovist' (USSR) 1963, no. 3, p. 46-48.

Civil Engineering

Bukowski, B.
MORPHOLOGIE DES FISSURES DANS LES CONSTRUCTIONS EN BETON ET EN BETON ARMÉ (Fissure Morphology of Concrete and Reinforced-Concrete Construction). 65p. 13refs. CNRS-XXV 360.
Order from OTS, ETC or CNRS $2.15 TT-62-26730

Trans. in French of Archiwum Inzynierii Ladowej (Poland) 1957, v.3, no.4, p.391-441.

Cheize, Jean-Emmanuel.
FOLDABLE STRETCHING ARCH
G. E., tr. 29 Nov 63. 2p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-63-24610

Trans. of French patent 1,040,978, gr. 20, cl. 4, appl. 27 Jul 51, granted 27 May 53, pub. 20 Oct 53. (Abstract available)

Khotchinskii, S.
NOUVELLE ETAPE DE L'INDUSTRALISATION DE LA CONSTRUCTION (A New Stage in the Industrialisation of Construction). 12p. CNRS-XXV 368.
Order from OTS, ETC or CNRS $0.80 TT-62-26733

Trans. in French from [Stroitel'stvo i Arkhitektura Moskvy] (USSR) 1958, no. 5.

Komarov, A. A.
SOME RULES ON THE MIGRATION AND DEPOSITION OF SNOW IN WESTERN SIBERIA AND THEIR APPLICATION TO CONTROL MEASURES (Nektorye Zakonomernosti Perenosa i Otlozheniya Snega v Raionakh Zapadnoi Sibiri i Ikh Ispol'zovanie v Snegozader-Zhanii i Snegobor'be) G. Belkov, tr. 1963, 13p 7refs NRC Technical Trans. 1094.
Order from NRC $1.00 NRC-C-4603

Trans. of [Akademiya Nauk SSSR]. Transportno-Energeticheskii Institut [Novosibirsk]. Trudy, 1954, v. 4, p. 89-97.

Komarov, A. A.
WAYS OF INCREASING THE EFFICIENCY OF SNOW FENCES (Puti Povysheniya Effektivnosti Raboty Snegozashchitnykh Zaborov i Shchitov)
G. Belkov, tr. 1963, 11p 3refs
NRC Technical Trans. 1095.
Order from NRC $1.00 NRC-C-4604

Trans. of [Akademiya Nauk SSSR]. Transportno-Energeticheskii Institut [Novosibirsk]. Trudy, 1954, v. 4, p. 119-126. (Abstract available)

Kornilovich, I.E. and Osadchuk, Ya.E.
NOUVEL APPAREIL PERMETTANT L'ÉTUDE DE LA RÉSISTANCE DU BETON DANS LA CONSTRUCTION (A New Apparatus for the Study of the Resistance of Concrete in Construction). 7p. CNRS-XXV 375.
Order from OTS, ETC or CNRS $0.80 TT-62-26740

Trans. in French of Beton i Zhelezobeton (USSR) 1958, no.11, p.431-432.

Electrical and Electronic Engineering

COMMUNICATIONS NETWORKS, PT. II: DESIGNATIONS AND ABBREVIATIONS. Rept. no. 3 on AID Work Assignment no. 33 17 Dec 63 [36p] AID Rept. p-63-123.
Order from OTS, SLA, or ETC $3.60 TT-64-13297

SOVIET PATENTS FOR ELECTRONIC EQUIPMENT. 20 Nov 63, 101p JPRS: 21953.
Order from OTS $2.50 TT-63-41181

Trans. of 32 selected Russian-language patents, in the fields of electricity, magnetism, acoustics, etc., submitted between 1952-62.

Separate entries have been prepared for each patent.

U-5014 SET FOR TESTING MEASURING CURRENT TRANSFORMERS ON HIGHER FREQUENCIES. 4 Oct 63 [5p] FTD-TT-63-861.
Order from OTS, SLA, or ETC $1.10 TT-64-13062

Unedited rough draft trans. of mono. (pamphlet) Tsentral'Nb Vyuro Tekhnichnoy Informatsiy, XXII Z'YZDU Kprs, Zavod Tochelektroprilad, 1961, 2p [sic]. (Abstract available)

Afanas'ev, V. Ya.
ELECTRODES PLACED ON THE SURFACE OF A THIN-WALLED SPHERE OF BARIUM TITANITE WITH TANGENTIAL POLARIZATION. 20 Nov 63, 2p JPRS: 21953 (p. 98-99).
Order from OTS $2.50 in TT-63-41181 (p. 98-99)

Trans. of description of invention for author's certificate no. 146778, cl. $21a^2$. 16_{01}, patented 25 Aug 60 as no. 677314/26 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 9). (Abstract available)

Afanas'ev, Yu. V. and Prishchepo, V. A.
DEVICE FOR THE MEASUREMENT OF MAGNETIC FIELDS. 20 Nov 63, 3p JPRS: 21953 (p. 19-21).
Order from OTS $2.50 in TT-63-41181 (p. 19-21)

Trans. of description of an invention for an author's certificate no. 150919, cl. 21c, 12, announced 27 Jan 62 under no. 762731/26-10 (pub in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 20). (Abstract available)

Bagotskii, V. S. and Frumkin, A. N.
THE PROBLEM OF THE DIRECT CONVERSION OF CHEMICAL ENERGY INTO ELECTRICAL ENERGY (Problema Neposredstvennogo Prevrashcheniya Khimicheskoi Energii v Elektricheskuyu). Jan 64, 20p 19refs
Order from OTS $0.75 NASA-TT-F-136

Trans. of Akademiya Nauk SSSR. Vestnik, 1962 [v. 32] no. 7, p. 19-32. (Abstract available)
Another trans. is available from OTS or SLA $3.60 as TT-62-33039, JPRS-15257, 13 Sep 62 [34]p

Bocharov, V.I.
ÉTUDE DE LA SÉCURITÉ DES SYSTÈMES D'ALIMENTATION ÉLECTRIQUE DANS LES MINES PROFONDES (Analiz Nadezhnosti Sistem Elektrosnabzheniya Glubokikh Ugol'nykh Shakht) (The Security of Electrical Feeding Systems in Deep Mines). 16p. (foreign text included) 2refs. CNRS-XXV 311.
Order from OTS, ETC or CNRS $0.80 TT-62-26409

Trans. in French of Elektrichestvo (USSR) 1957, no.10, p.25-28.

Bogdanov, G. B.
METHOD OF MEASURING MAGNETIC INTENSITY. 20 Nov 63, 3p JPRS: 21953 (p. 1-3).
Order from OTS $2.50 in TT-63-41181 (p. 1-3)

Trans. of description of an invention for an author's certificate no. 152023, cl. G 01r; 21e, announced 20 Jan 62 under no. 761175/26-10 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 23). (Abstract available)

Chernoochenko, A. V.
A METHOD FOR INCREASING THE INTERFERENCE-ELIMINATION FEATURE OF ACOUSTICAL COMMUNICATIONS SYSTEMS. 20 Nov 63, 4p JPRS: 21953 (p. 80-83).
Order from OTS $2.50 in TT-63-41181 (p. 80-83)

Trans. of description of invention for author's certificate no. 148107, cl. $21a^2$, 16_{04}; $21a^4$, 22_{02}, patented 16 Jan 61 as 693259/26 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 12). (Abstract available)

Dralyuk, B.N.
SYSTÈME DE RÉGULATION DE L'ALIMENTATION ÉLECTRIQUE D'UN BATI DE LAMINOIR À FROID TRAVAILLANT EN CONTINU À GRANDE VITESSE (Control System for the Drive of a Continuous High-Speed Cold Rolling Mill). 17p. 5refs. CNRS-XVII 505.
Order from OTS, ETC or CNRS $0.80 TT-62-28225

Trans. in French of Elektrichestvo (USSR), 1959, no.12, p.35-39.

Ellenkrig, A. M. and Frolushkin, V. G.
DEVICE FOR THE ELIMINATION OF NARROW FREQUENCY BANDS FROM A COMPLEX SIGNAL. 20 Nov 63, 4p JPRS: 21953 (p. 4-7).
Order from OTS $2.50 in TT-63-41181 (p. 4-7)

Trans. of description of an invention for an author's certificate no. 151699, cl. $21a^2$, 36_{22}, announced 28 Mar 52 under no. 576830/26 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 22). (Abstract available)
An unedited rough draft trans. is available from OTS or SLA $1.10 as TT-63-24022, FTD-TT-63-458, 1 Jul 63 [5p].

Fedoseev, P. G.
RECTIFIERS AND STABILIZERS. 4 Oct 63 [654p] 81refs FTD-TT-63-245.
Order from OTS, SLA, or ETC $28.50 TT-64-13049

Unedited rough draft trans. of mono. Vypryamiteli i Stabilizatory, Moscow, 1960, 518p. (Abstract available)

Glushnev, I. U., Borok, A. M., and Bogdanov, Yu. S.
SUPERSONIC IMPULSE OSCILLATOR. 20 Nov 63, 2p JPRS: 21953 (p. 68-69).
Order from OTS $2.50 in TT-63-41181 (p. 68-69)

Trans. of description of invention for author's certificate no. 148607, cl. 42s, patented 13 Sep 60 as 679049/26 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 13). (Abstract available)

Hayashi, Y.
SOLUTIONS TRANSITOIRES POUR LES GUIDES D'ONDES À SECTIONS RECTANGULAIRE, CIRCULAIRE ET CIRCULAIRE AXIALE (Transient Solutions for the Electromagnetic Field in a Rectangular, Circular or Coaxial-Circular Waveguide). 20p. 6refs. CNRS-X 310
Order from OTS, ETC or CNRS $0.80 TT-62-28085

Trans. in French of Denki Tsushin Gakkai Zasshi (Japan) 1955, v.38, no.2, p.97-102.

Isaev, A. I. and Anokhin, V.
DEVICE FOR CONVERTING LONGITUDINAL ACOUSTICAL OSCILLATIONS INTO TORSIONAL OSCILLATIONS. 20 Nov 63, 3p JPRS: 21953 (p. 60-62).
Order from OTS $2.50 in TT-63-41181 (p. 60-62)

Trans. of Russian patent no. 148971, cl. 42s; 49c, 27_{01}; 49e, 10, submitted 28 Oct 61 as 694602/25 (based on author's certificate no. 124723, 6 Mar 59). (Abstract available)

Janiczek, Stefan.
HOMOPOLAR DC MOTOR FOR QUITE HIGH VOLTAGE ESPECIALLY A GENERATOR OR HIGH CAPACITY MOTOR. 9 Jul 63 [9p] FTD-TT-63-487.
Order from OTS, SLA, or ETC $1.10 TT-63-24229

Unedited rough draft trans. of Polish patent 44,923, cl. $21d^1$, 6, appl. 8 Dec 59 [pub.] 21 Sep 61. (Abstract available)

Khatuntsev, L. A.
A METHOD OF QUALITY CONTROL FOR THE WELDING OF RESONATORS OF ELECTRO-MECHANICAL FILTERS. 20 Nov 63, 3p JPRS: 21953 (p. 95-97).
Order from OTS $2.50 in TT-63-41181 (p. 95-97)

Trans. of description of invention for author's certificate no. 146792, cl. 21^4, 10; 21g, 34, patented 8 Oct 59 as 640739/26 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 9). (Abstract available)

Khomenyuk, Yu. B.
DEVICE FOR ELECTRICAL PROSPECTING BY THE MAGNETOTELLURIC METHOD. 20 Nov 63, 6p JPRS: 21953 (p. 48-53).
Order from OTS $2.50 in TT-63-41181 (p. 48-53)

Trans. of Russian patent no. 149158, cl. 21g, 30_{01}, submitted 20 Jul 60 as no. 674190/22. (Abstract available)

Kobin, P. V.
ACOUSTIC ISOLATOR. 20 Nov 63, 3p JPRS: 21953 (p. 70-72).
Order from OTS $2.50 in TT-63-41181 (p. 70-72)

Trans. of description of invention for author's certificate no. 148606, cl. 42s, patented 24 Dec 59 as no. 648421/26. (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 13). (Abstract available)

Kolmakov, M. V.
A METHOD FOR RECORDING THE HORIZONTAL MAGNETIC COMPONENT OF SHORT-PERIODIC VARIATIONS OF THE EARTH'S ELECTROMAGNETIC FIELD. 20 Nov 63, 2p JPRS: 21953 (p. 87-88).
Order from OTS $2.50 in TT-63-41181 (p. 87-88)

Trans. of description of invention for author's certificate no. 146890, cl. 21g, 30_{04}, patented 15 May 61 as 730373/26-10 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 9). (Abstract available)

Kondratenko, A. F.
AN ELECTRICAL PROSPECTING METHOD. 20 Nov 63, 3p JPRS: 21953 (p. 54-56).
Order from OTS $2.50 in TT-63-41181 (p. 54-56)

Trans. of Russian patent no. 149156, cl. 21g, 30_{01}, submitted 10 Jul 60 as no. 669737/22. (Abstract available)

Kuchinskii, G.S., Renne, V.T. and Fainitsky, V.M.
CHOIX DE L'ÉPAISSEUR DU DIÉLECTRIQUE POUR LES CONDENSATEURS À PAPIER UTILISÉS SUR LES RÉSEAUX 'DE FORCE" (Choice of the Thickness of the Dielectric in Paper Capacitors Used in High Voltage Engineering). 15p. 7refs. CNRS-X258.
Order from OTS, ETC or CNRS $0.80 TT-62-28113

Trans. in French of Elektrichestvo (USSR) 1954, no.6, p.70-74.

Kutukov, L. V. and Obidin, D. I.
CIRCUITS WITH DIRECT COUPLING. 27 Sep 63 [37p] 7refs FTD-TT-62-1869.
Order from OTS, SLA, or ETC $3.60 TT-63-24536

Unedited rough draft trans. of mono. Skhemy s Neposredstvennymi Svyazyami, Moscow, 1962, 39p.

Mashkovskii, V.V.
DÉMARRAGE DE MOTEURS ASYNCHRONES DE GRANDE PUISSANCE À CAGE AVEC UNE SOURCE D'ÉNERGIE LIMITÉE. LANCEMENT DES MOTEURS ÉLECTRIQUES ASYNCHRONES COURTCIRCUITES ET PUISSANTS AVEC UNE SOURCE D'ÉNERGIE DE PUISSANCE LIMITÉE (Starting High-Power Asynchronous Cage Motors by Limited Energy Source). 7p. CNRS-X 534.
Order from OTS, ETC or CNRS $0.80 TT-62-28110

Trans. in French of Energeticheskii Byulleten (USSR) 1956, no.5, p.24-25.

Matoshin, V. N. and Serbulenko, M. G.
A METHOD OF MEASURING THE FIRST DERIVATIVE ALONG THE INCREMENT COORDINATE OF THE FILL VECTOR OF THE EARTH'S MAGNETIC FIELD. 20 Nov 63, 2p JPRS: 21953 (p. 78-79).
Order from OTS $2.50 in TT-63-41181 (p. 78-79)

Trans. of description of invention for author's certificate no. 148136, cl. 21e, 12; 42c, 43, patented 8 May 59 as 627275/26 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov (USSR) 1962, no. 12). (Abstract available)

Naidenko, O. K.
DEVICE FOR THE CANCELLATION OF VIBRATION. 20 Nov 63, 4p JPRS: 21953 (p. 12-15).
Order from OTS $2.50 in TT-63-41181 (p. 12-15)

Trans. of a description of an invention for an author's certificate no. 151207, cl. $65f^2$, 6 42c, 25_{01}, announced 15 Dec 61 under 756147/27-11 (pub. in Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 20). (Abstract available)

Nazarenko, O. V.
A DEVICE FOR MARINE ELECTRICAL PROSPECTING. 20 Nov 63, 3p JPRS: 21953 (p. 30-32).
Order from OTS $2.50 in TT-63-41181 (p. 30-32)

Trans. of Russian patent 150184, cl. 21g, 30_{02}, submitted 13 Nov 61 under no. 751834/26-10. (Abstract available)

Nechmirov, V. L.
CABLE SUSPENSION CLAMP FOR UNDERWATER LAYING. 20 Nov 63, 4p JPRS: 21953 (p. 37-40).
Order from OTS $2.50 in TT-63-41181 (p. 37-40)

Trans. of Russian patent no. 149484, cl. 21c 19_{10}, announced 7 Sep 61 as no. 744172/24-7. (Abstract available)

Olmer, Ph. and Elnekave, N.
NEWS FROM THE CENTRAL LABORATORY OF THE ELECTRICAL INDUSTRIES [AND] PRECISION MEASUREMENT OF CAPACITANCE STANDARDS (WITH APPENDICES 1-4). Feb 63 [35p] 9refs LSB Trans. no. 6528.
Order from OTS, SLA, or ETC $3.60 TT-63-15906

Trans. of Laboratoire Central des Industries Electriques. Bulletin d'Information, 1962, no. 33, Sep.

Pisarevskii, M. M.
DEVICE FOR MEASURING THE ACOUSTICAL OUTPUT OF AN ULTRASONIC VIBRATOR. 20 Nov 63, 2p JPRS: 21953 (p. 100-101).
Order from OTS $2.50 in TT-63-41181 (p. 100-101)

Trans. of description of invention for author's certificate no. 146616, cl. 42s, patented 11 Mar 61 as 722618/26-10 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 8). (Abstract available)

Popov, V. F.
SUPERSONIC IMPULSE OSCILLATOR. 20 Nov 63, 3p JPRS: 21953 (p. 65-67).
Order from OTS $2.50 in TT-63-41181 (p. 65-67)

Trans. of description of invention for author's certificate no. 148608, cl. 42s, patented 22 Nov 60 as 686073/26 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 13). (Abstract available)

Pozdnyakov, P. G.
PIEZOELECTRIC RESONATOR WITH A CRYSTAL ELEMENT. 20 Nov 63, 2p JPRS: 21953 (p. 22-23).
Order from OTS $2.50 in TT-63-41181 (p. 22-23)

Trans. of a description of an invention for an author's certificate no. 150881, cl. $21a^4$, 10, announced 26 Oct 60 under no. 683443/26 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 20). (Abstract available)

Pozdnyakov, P. G.
PIEZOELECTRIC RESONATOR WITH A CRYSTAL ELEMENT. 20 Nov 63, 3p JPRS: 21953 (p. 45-47).
Order from OTS $2.50 in TT-63-41181 (p. 45-47)

Trans. of Russian patent no. 149461, cl. 21 a^410, submitted 14 Nov 60 as no. 685264/26. (Abstract available)

Renné, V.T.
NOUVEAUTÉS DANS LE DOMAINE DE LA CONSTRUCTION DES CONDENSATEURS (New Constructions of Capacitors). 9p. 11refs. CNRS-X 194.
Order from OTS, ETC or CNRS $0.80 TT-62-28115

Trans. in French of Elektrichestvo (USSR) 1949, no.9, p.79-80.

Renné, V.T., Fainitsky, V.M. and Varchavsky, D.S.
FORMATION DE LA CIRE DANS L'ISOLATION DES CONDENSATEURS À PAPIER HUILÉ (Wax Formation in the Insulation of Impregnated Paper Capacitors). 13p. 9refs. CNRS-X 259.
Order from OTS, ETC or CNRS $0.80 TT-62-28114

Trans. in French of Elektrichestvo (USSR) 1953, no.12, p.55-58.

Reznikov, A. E.
A METHOD OF MEASURING DIAGRAMS OF THE DIRECTIONAL EFFECT OF RECEIVERS OF ACOUSTICAL WAVES. 20 Nov 63, 2p JPRS: 21953 (p. 63-64).
Order from OTS $2.50 in TT-63-41181 (p. 63-64)

Trans. of description of invention for author's certificate no. 148825, cl. 21a, 4_{71}; 74d, 6_{08}, patented 24 Mar 61 as no. 723153/40 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 14). (Abstract available)

Rivkin, A. M.
THE SELECTION OF PARAMETERS AND THE DESIGN OF A MEASURING D. C. TRANSFORMER, tr. by Yuri Ksander. 26 Mar 54, 7p (figs omitted) 2refs
Order from OTS, SLA, or ETC $1.10 TT-63-23700

Trans. of Elektrichestvo (USSR) 1954, no. 9, p. 26-28. (Abstract available)

Rudnev, O. V.
A DEVICE FOR SIMULTANEOUS RECORDING OF SEVERAL KS PARAMETERS AND THE PS CURVE ON A SINGLE-CORE CABLE. 20 Nov 63, 5p JPRS: 21953 (p. 73-77)
Order from OTS $2.50 in TT-63-41181 (p. 73-77)

Trans. of description of invention for author's certificate no. 148158, cl. 21g, 30_{01}, patented 26 Jun 61 as no. 736210/22 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 12). (Abstract available)

Schefer, V.A.
DÉFAUTS DES DÉMARREURS MAGNÉTIQUES INDUSTRIELS DE CONSTRUCTION COURANTE (Deficiency of Industrial Magnetic Starters of Current Construction). 4p. CNRS-X 442.
Order from OTS, ETC or CNRS $0.80 TT-62-28072

Trans. in French of Energetik (USSR) 1956, v.4, no.11, p.16.

Shaub, Yu. B.
DEVICE FOR THE MEASUREMENT OF THE RELATIONSHIP (OR DIFFERENCE) IN AMPLITUDE AND DISPLACEMENT PHASES OF TWO CHANGING VOLTAGES DURING AEROELECTRIC TESTING. 20 Nov 63, 4p JPRS: 21953 (p. 8-11).
Order from OTS $2.50 in TT-63-41181 (p. 8-11)

Trans. of a description of an invention for an author's certificate no. 151408, cl. H o5d; 21g 30_{02}, announced 4 Sep 61 under no. 744026/22-3 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 21). (Abstract available)

Shitmolin, A. N. and Solov'ev, V. I.
PIEZOELECTRIC MEASURING AUDIO RECEIVER (SYNCHROPHONE) OPERATING ON A CORRELATOR CIRCUIT. 20 Nov 63, 3p JPRS: 21953 (p. 16-18).
Order from OTS $2.50 in TT-63-41181 (p. 16-18)

Trans. of description of an invention for an author's certificate no. 151056, cl. 42g, 1_{01}, $21a^2$, 8, announced 17 Feb 58 under no. 593113/26 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 20). (Abstract available)

Smirnov, A. D.
A METHOD OF MEASURING THE SPEED OF PASSAGE OF SOMIC AND ULTRASONIC OSCILLATIONS THROUGH A SUBSTANCE. 20 Nov 63, 2p JPRS: 21953 (p. 89-90).
Order from OTS $2.50 in TT-63-41181 (p. 89-90)

Trans. of description of invention for author's certificate no. 147051, cl. 42s, 42g, 1_{01}, patented 24 Jul 61 as 739284/26-10 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 9). (Abstract available)

Spintsis, I. A.
PULSE METER FOR SOUND VELOCITY AND DAMPING. 20 Nov 63, 6p JPRS: 21953 (p. 24-29).
Order from OTS $2.50 in TT-63-41181 (p. 24-29)

Trans. of a description of an invention for an author's certificate no. 150661, cl. 42g, 1_{01}, 42k, 49_{02}, 42k, 46_{06}, announced 19 Oct 61 under no. 748468/26-10. (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 19). (Abstract available)

Strelets, P. L. and Moskalev, V. I.
METHOD OF CONTROLLING THE POLARIZATION OF CERAMIC PIEZOELECTRICS. 20 Nov 63, 4p JPRS: 21953 (p. 33-36).
Order from OTS $2.50 in TT-63-41181 (p. 33-36)

Trans. of Russian patent 149813, cl. $21a^4$, 10, submitted 9 Feb 62 as no. 763546/26-9. (Abstract available)

Telesnin, A. B.
HYDRIDYNAMIC EMITTER. 20 Nov 63, 2p JPRS: 21953 (p. 91-92).
Order from OTS $2.50 in TT-63-41181 (p. 91-92)

Trans. of description of invention for author's certificate no. 147050, cl. 42s, patented 26 Dec 60 as no. 690514/26 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 9). (Abstract available)

Timoshim, L.A.
CONSTRUCTIONS D'UN RECHAUFFEUR RÉSISTANT AUX VIBRATIONS AVEC DURÉE DE SERVICE AUGMENTÉE POUR LES CATHODES À HAUTES TEMPÉRATURES (The Construction of a Long-life Vibration-proof Heater for High-temperature Cathodes). 6p. 5refs. CNRS-X 504.

Order from OTS, ETC or CNRS $0.80 TT-62-28106

Trans. in French of *Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1958, v.22, no.5, p.640-641.

Tsalkin, L. A.
A METHOD OF MEASURING THE RMS VALUE OF PERIODIC AND APERIODIC SIGNALS AND THE RMS VALUE OF FIXED NOISE OR THE RATIOS OF THESE MAGNITUDES. 20 Nov 63, 2p JPRS: 21953 (p. 93-94).
Order from OTS $2.50 in TT-63-41181 (p. 93-94)

Trans. of description of invention for author's certificate no. 146815, cl. $21a^4$, 71; 21e, 36_{10}, patented 16 Jun 60 as no. 670345/26 (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 9). (Abstract available)

Usikov, A. N.
PHASE-SENSITIVE DETECTOR. 20 Nov 63, 3p JPRS: 21953 (p. 57-59).
Order from OTS $2.50 in TT-63-41181 (p. 57-59)

Trans. of Russian patent no. 149135, cl. $21a^4$, 42, submitted 27 Jun 60 as no. 671620/26. (Abstract available)

Zaitsev, I. A. and Kalyaev, A. V.
DIRECT CURRENT MEASURING TRANSFORMER, tr. by Yuri Ksander. 2 Oct 53, 11p (figs omitted) 4refs
Order from OTS, SLA, or ETC $1.60 TT-63-23699

Trans. of Elektrichestvo (USSR) 1954, no. 2, p. 21-25. (Abstract available)

Zhuvagin, V. G., Panafidin, V. V., and Cherchenko, G. V.
DEVICE AND METHOD FOR MEASURING LIQUID LEVEL. 20 Nov 63, 4p JPRS: 21953 (p. 41-44).
Order from OTS $2.50 in TT-63-41181 (p. 41-44)

Trans. of Russian patent no. 149640, submitted 11 Dec 61 as no. 755026/26-10. (Abstract available)

Zolotarev, B. B., Damaskin, V. I., and Volkov, Yu. D.
DEVICE FOR MEASURING THE OUTPUT OF ULTRASONIC VIBRATORS. 20 Nov 63, 3p JPRS: 21953 (p. 84-86).
Order from OTS $2.50 in TT-63-41181 (p. 84-86)

Trans. of description of invention for author's certificate no. 147851, cl. 42s, patented 22 Dec 61 as no. 689925/26-10. (pub. in [Byulleten' Izobretenii i Tovarnykh Znakov] (USSR) 1962, no. 11). (Abstract available)

Mechanical Engineering

BEKIR MIKHAILOVICH SMOL'SKII (ON OCCASION OF HIS 50TH BIRTHDAY AND 30TH ANNIVERSARY OF HIS SCIENTIFIC-PEDAGOGICAL ACTIVITY). 30 Dec 63, 3p JPRS: 22494 (p. 46-48)
Order from OTS $1.50 in TT-64-21149 (p. 46-48)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963 [v. 6] no. 8, p. 118-119.

Levitskii, V. N. and Soboleva, E. G.
EXPERIMENTAL DYNAMIC CHARACTERISTICS OF A TP-80 SINGLE BOILER, VPT-50 SINGLE-TURBINE GENERATING UNIT. [1963] [6p] C. E. Trans. 3045.
Order from OTS, SLA, or ETC $1.10 TT-63-23981

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 11, p. 34-36. (Abstract available)

Shcherbinin, B.V.
ORGANISATION DE LA RÉVISION GÉNÉRALE ACCÉLÉRÉE D'UNE CHAUDIÈRE (Organizatsiya Skorostnogo Kapital'nogo Remonta Kotla) (Accelerated General Revision Organisation of Boilers). 11p. (foreign text included). CNRS-XXV 97.
Order from OTS, ETC or CNRS $1.05 TT-62-26396

Trans. in French of Elektricheskie Stantsii (USSR) 1949, v.20, no.8, p.5-8.

Strach, J.
TUYAUTERIE POUR UNE INSTALLATION D'ÉVACUATION PAR ASPIRATION I. (Pipe-Line for Evacuation Installation by Suction I.). 16p. CNRS-XXV 386.
Order from OTS, ETC, or CNRS $0.80 TT-62-26744

Trans. in French of Zvaranie (Czechoslovakia) 1955, v.4, no.4, p.120-123.

Strach, J.
TUYAUTERIE POUR UNE INSTALLATION D'ÉVACUATION PAR ASPIRATION. II. (Pipe-Line for Evacuation Installation by Suction. II). 14p. 2refs. CNRS-XXV 387.
Order from OTS, ETC or CNRS $0.80 TT-62-26746

Trans. in French of Zvaranie (Czechoslovakia) 1955, v.4, no.5, p.156-158.

Ordnance, Missiles, and Satellite Vehicles

Dubovitskii, F.I., Manelis, G.B. and Merzhanov, A.G.
MÉCANISMES CINÉTIQUES FORMELS DE LA DISSOCIATION THERMIQUE DES SUBSTANCES EXPLOSIVES EN PHASE LIQUIDE (Formal'nokineticheskie Zakonomernosti Termicheskogo Razlozheniya Vzryvchatykh Veshchestv v Zhidkoi Faze)(Formal Kinetic Laws of the Thermal Decomposition of Explosives in the Liquid Phase). 10p. (Foreign text included) 4refs. CNRS-VIII-bis 494.
Order from OTS, ETC or CNRS $0.80 TT-62-28310

Trans. in French of Akademiya Nauk SSSR. Doklady, 1958, v. 121, no. 4, p. 668-670.
Another trans. is available in English from CB $5.00.

Manets, F.
RADIATION RECONNAISSANCE IN A BATTALION. [1963] 4p
Order from OTS, SLA, or ETC $1.10 AEC-tr-5790

Trans. from Voennyi Vestnik (USSR) 1960, no. 11.

Okhotsimskii, D. E. and Sarychev, V. A.
A GRAVITY STABILIZATION SYSTEM FOR ARTIFICIAL SATELLITES
B. W. Kuvshinoff, tr. 17 Oct 63, 7p 2refs
APL/JHU TG 230-T408.
Contract NOw-62-0604-c
Order from OTS $0.50 TT-63-11774

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1963. v. 16, p. 5-9. (Abstract available)

Sarychev, V. A.
INVESTIGATION OF THE DYNAMICS OF A GRAVITY STABILIZATION SYSTEM
B. W. Kuvshinoff, tr. 19 Nov 63, 31p 8refs
APL/JHU TG 230-T422.
Contract NOw62-0604-c
Order from OTS $1.00 TT-64-11512

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1963, v. 16, p. 10-33. (Abstract available)

Zheltikov, I.
ROCKET MISCALCULATIONS OF THE PENTAGON. 7 Nov 63, 9p FTD-TT-63-993.
Order from OTS, SLA, or ETC $1.10 TT-64-13119

Unedited rough draft trans. from Krasnaya Zvezda (USSR) 1963, 2 Apr, p. 3.

Sanitation and Safety Engineering

Arkhipov, A. S.
TECHNOLOGICAL PROGRESS IN THE CHEMICAL INDUSTRY OF THE USSR AND INDUSTRIAL HYGIENE. 14 Jan 64, 7p JPRS: 22731.
Order from OTS $0.50 TT-64-21288

Trans. of Gigiena Truda i Professional'nye Zabolevaniya (USSR) 1963, v. 7, no. 11, p. 3-8.

Dovnar, M.P.
DISPOSITIF EXPÉRIMENTAL DE DÉPOUSSIÉRAGE (Opytnaya Ustanovka dlya Ulavlivaniya Pyli) (Experimental Dust Removing Installation). 8p. CNRS-XXV 484.
Order from OTS, ETC or CNRS $0.80 TT-62-26392

Trans. in French of Ogneupory (USSR) 1958, v.23 [no. 4] p. 150-153.

FOOD, HANDLING, AND PACKAGING EQUIPMENT

Shelamova, A. S., Naumova, N. A., Shelaputin, V. I., and Derbedeneva, Z. A.
FREEZING OF FRUITS AND VEGETABLES WITH LIMITED PRELIMINARY DRYING (Zamorazhivanie Plodov i Ovoshchei s Predvaritel'nym Podsushivaniem) O. C. P., tr. 6 Nov 63 [7p] I-3484.
Order from OTS $0.50 TT-63-11768

Trans. of Konservnaya i Ovoshchesushil'naya Promyshlennost' (USSR) 1963 [v. 18] no. 8, p. 15-18. (Abstract available)

MACHINERY, FABRICATION, AND ACCESSORY EQUIPMENT

USSR INDUSTRIAL DEVELOPMENT: SOVIET METALWORKING EQUIPMENT NO. 80. 3 Dec 63, 29p JPRS: 22104.
Order from OTS $1.00 TT-63-41268

Trans. of 22 selected articles from Sep-Oct 63 issues of 10 Russian journals and newspapers. (Abstract available)

USSR INDUSTRIAL DEVELOPMENT: SOVIET METALWORKING EQUIPMENT NO. 85. 30 Dec 63, 38p JPRS: 22483.
Order from OTS $1.25 TT-64-21139

Trans. of 32 selected articles from Jun-Oct 63 issues of various Russian language newspapers.

USSR INDUSTRIAL DEVELOPMENT: SOVIET METALWORKING EQUIPMENT NO. 86. 30 Dec 63, 18p JPRS: 22486.
Order from OTS $0.50 TT-64-21142

Trans. of 10 selected articles from Nov 63 issues of various Russian language newspapers. (Abstract available)

Kaiser, W.
NEW-DEVELOPMENTS IN DISPERSION TYPE AIR SEPARATORS. [1963] [33p] 12refs
Order from SLA $3.60 TT-63-20953

Trans. of Zement-Kalk-Gips (West Germany) 1962, v. [15]51, no. 11, p. 469-478. (Abstract available)

Kihlstedt, P. G.
THE RELATIONSHIP BETWEEN PARTICLE SIZE DISTRIBUTION AND SPECIFIC SURFACE IN COMMINUTION. [1963] [16p] 1ref
Order from SLA $1.60 TT-63-20954

Trans. of Zement-Kalk-Gips (West Germany) 1963 [v. 16/52] no. 2, p. 41-44.

Kiselev, V. I.
CENTRIFUGAL PUMPS. 10 Oct 63 [5p] (figs omitted) FTD-TT-63-940.
Order from OTS, SLA, or ETC $1.10 TT-64-13124

Unedited rough draft trans. of mono. Nasosy, Kompressory [i] Ventilyatory (Pumps, Compressors and Ventilators) Moscow, 1959, pt. 6, p. 144-145, 171. (Abstract available)

Zamalin, V. S. and Timoshevskii, V. I.
THE QUESTION OF DETERMINING THE TECHNICAL-ECONOMIC EFFICIENCY OF STANDARDIZATION, NORMALIZATION AND UNIFICATION IN MACHINE BUILDING. 9 Jan 64, 7p JPRS: 22659
Order from OTS $0.50 TT-64-21239

Trans. of Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) 1963 [v. 17] no. 11, p. 36-38.

Engines and Propulsion Systems

Alyushinskii, V.I.
MACHINES- OUTILS SPÉCIALES POUR USINER LES AUBES DE TURBINES (Special Machine-Tools for Machining Turbine Blades). 5p. CNRS-XXV 358
Order from OTS, ETC or CNRS $0.80 TT-62-26728

Trans. in French of Unidentified Russian language article. n.d.

Nevstruev, E. N.
ELECTROSTATIC IGNITION IN CARBURETOR-TYPE ENGINES. 23 Sep 63 [14p] 6refs FTD-TT-63-822.
Order from OTS, SLA, or ETC $1.60 TT-64-13057

Unedited rough draft trans. of Avtomobil'naya Promyshlennost' (USSR) 1962 [v. 28] no. 1, p. 17-20. (Abstract available)

Nilov, N.A.
PARTICULARITÉS DES MOTEURS À CARBURATEURS À ALLUMAGE PAR FLAMME (Particularities of Inflamed Carburettor Motors). 10p. CNRS-XXV 349
Order from OTS, ETC or CNRS $0.80 TT-62-26727

Trans. in French of Avtomobil'naya Promyshlennost' (USSR) 1958, no.8, p.25-26.

Machine Parts and Mechanisms

Aizerman, M. A., ed.
NEW DEVELOPMENTS IN PNEUMATIC-HYDRAULIC AUTOMATION. 2 Jan 64, 203p refs JPRS: 22570; N64-12147.
Order from OTS $3.50 TT-64-21187

Trans. of mono. Novoe v Pnevmo-Gidravlicheskoi Avtomatike, Moscow, 1962, 160p. (Abstract available)

Alekseev, L.G.
ANALYSE DU TRAVAIL DANS LES LIEUX DE FIXATION DES CYLINDRES ET DANS LE GARNISSAGE DES FERMETURES DES POMPES DE FORAGE (Efficiency of Fastening the Cylinders and Packing the Fastenings of Pumps for the Bore Holes). 9p. CNRS-XXV 309.
Order from OTS, ETC or CNRS $0.95 TT-62-26362

Trans. in French of Neftyanoe Khozyaistvo 1958, v.36, no.2, p.23-25.

Coquet, Emile.
ONE-PIECE LOCKNUT
P. C. C., tr. 20 Nov 63, 3p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-63-24612

Trans. of French first addition patent 21,878 to 498,304, gr. 5, cl. 3, appl. 10 Feb 19, granted 30 Oct 20, pub. 9 Apr 21.

Eremenko, A. S. and Fedosenko, A. P.
AN INVESTIGATION OF LOSSES IN TURBINE ROTOR BLADE CASCADES, tr. by M. J. Shields Feb 62 [21p] PAMETRADA Trans. no. 23; [DSIR] NLL M. 3867.
Order from OTS, SLA or etc $2.60 TT-63-19885

Trans. of [Akademiya Nauk URSR, Kiev. Instytut Teploenergetyky. Sbornik Trudov] 1958, v. 14 [p. 174-185]. (Abstract available)

Jecht, W.
LES CAUSES DE RUPTURE ET D'ENDOMMAGEMENT DES TIGES DE FORAGE ET DES TIGES LOURDES AINSI QUE DES DÉGÂTS QU'ON PEUT LEUR OCCASIONNER (The Causes of Rupture and Damage of Boring Rods and Driving Rods). 8p. CNRS-XXV 345.
Order from OTS, ETC or CNRS $0.80 TT-62-26725

Trans. in French of Nafta (Yugoslavia) [1959] v. 10 p.337-339.

Maiorov, S.A. and Slomyanskii, G.A.
DE L'EFFET GYROSCOPIQUE ET DE LA ROTATION DES BILLES DANS LES ROULEMENTS (On the Gyroscopic Effect and Rotation of Balls in Ball Bearing). 16p. 2refs. CNRS-XXV 387.
Order from OTS, ETC or CNRS $0.80 TT-62-26741

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1958, no.2, p.58-63.

Transport, Traction and Hoist Facilities

Ershov, L.V. and Ivlev, D.D.
STABILITÉ D'UNE BANDE COMPRIMÉE (On the Stability of a Rail in Compression) 8p. 3refs. CNRS-XV 142.
Order from OTS, ETC or CNRS $0.80 TT-62-28201

Trans. in French of Akademiya Nauk SSSR. Doklady, 1961, v.138, no.5, p.1047-1049.

Stefaniu, Gheorghe.
AUTOMATION OF RAILROADS IN THE USSR.
23 Dec 63, 7p JPRS: 22423.
Order from OTS $0.50 TT-64-21100

Trans. from Lupta CFR (Rumania) 1963, 7 Nov, p. 4.

MATERIALS

Andreev, K.K. and Popova, P.P.
PROPENSION DES EXPLOSIFS DE SÉCURITÉ À LA COMBUSTION (Burning Capacity of Protective Explosives) 6p. 2refs. CNRS-VIII bis 695
Order from OTS, ETC or CNRS $0.85 TT-62-26380

Trans. in French of Akademiya Nauk SSSR. Doklady, 1960, v.134, no.5, p.1142-1145.

Bardyshev, I.I.
COMPOSITION DE L'HUILE DE PIN 'DE FLOTTATION" (Composition of Pine Flotation Oil). 17p. 10refs. CNRS-VI 144.
Order from OTS, ETC or CNRS $0.80 TT-62-28063

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1952, v.25, no.12, p.1289-1295.

Desov, A.E.
BETON VIBRÉ (Vibrated Concrete). 77p.
CNRS-XXV 265.
Order from OTS, ETC or CNRS $2.35 TT-62-26369

Trans. in French of mono. [Vibrirovannyi Beton] Moscow, 1956 [228p.].

Gordon, S.S., Zashchuk, I.V. and Nadareishvili,G.F.
PEUT-ON ESTIMER LA RÉSISTANCE DU BETON À L'AIDE DES ULTRA-SONS? (S Nomoshchk'yu Ultrazvuka?) (Estimating the Resistance of Concrete by Ultrasonics?). 11p. (foreign text included) 4refs.
CNRS-XXV 616.
Order from OTS, ETC or CNRS $0.80 TT-62-28526

Trans. in French of Avtomobil'nye Dorogi (USSR), 1960, v.23, no.2, p.13-15.

Kaszowski, Sylwester.
THE QUANTITATIVE METHOD OF EVALUATING RABBIT PELTS (Llosciowa Metoda Oceny Skorek Kroliczych)
J. Zowinski, tr. 1962, 55p 29refs PL-480 Agr.
Order from OTS $0.50 TT-60-215.3

Trans. of Roczniki Nauk Rolniczych, Seria B: [Zootechniczna] (Poland) 1957, v. 71, no. 3, p. 469-533.

Kuczynskii, W.
LA RÉSISTANCE DES ÉCHANTILLONS DE BETON EN FONCTION DE LEUR FORME ET DE LEURS DIMENSIONS (The Strength of Concrete with Various Shapes and Dimensions of Test-Pieces). 21p. 3refs. CNRS-XV 104.
Order from OTS, ETC or CNRS $0.85 TT-62-28211

Trans. in French of Archiwum Inzynierii Ladowej (Poland), 1959, v.5, no.2, p.139-151.

Office of Technical Services, Dept. of Commerce, Washington, D. C.
PAINTS AND VARNISHES. Nov 63, 28p
OTS Selective Bibliography SB-518
Order from OTS $0.10 OTS-SB-518

Plungyanskaya, M.N. and Moskvin, V.M.
HYDROPHOBISATION DU BETON PAR LES SILICONES EN TANT QUE MÉTHODE DESTINÉE À AUGMENTER SA STABILITÉ (The Hydrophobization of Concrete with Organic Silicofluoride Compounds as a Method of Increasing its Resistivity). 12p. CNRS-XXV 369.
Order from OTS, ETC or CNRS $0.80 TT-62-26734

Trans. in French of Beton i Zhelezobeton (USSR) 1958, no.6, p.218-220.

Simonov, M. Z. and Karapetyan, K. S.
SHRINKAGE AND CREEP OF LIGHTWEIGHT CONCRETES IN PRESTRESSED CONCRETE STRUCTURES (Usadka i Polzuchest' Legkikh Betonov v Predvaritel'no Napryazhennykh Konstruktsiyakh)
G. L. Cairns, tr. Dec 62 [8p] 5refs DSIR Library Communication no. 1133.
Order from OTS, SLA or ETC $1.10 TT-63-24207

Trans. of Beton i Zhelezobeton (USSR) 1960, no. 10, p. 450-454. (Abstract available)

Vasyuk, A.S.
PROLONGATION DE LA DURÉE DE SERVICE DES BANDES CAOUTCHOUTÉES (Obmen Opytom Udlinenie Sroka Sluzhby Prosezinennykh Lent) (Prolongation of the Lifetime of Rubber Tires). 8p. (foreign text included) CNRS-XXV 527.
Order from OTS, ETC or CNRS $0.80 TT-62-26406

Trans. in French of Ogneupory (USSR), 1959, v.24, no.12, p.571-572.

Zanetta, Alberto.
PLASTICS IN THE PRODUCTION OF ADHESIVE TAPES. [1963] 11p 39refs
Order from SLA $1.60 TT-64-10421

Trans. of Materie Plastiche (Italy) 1962, v. 28, no. 5, p. 563-569. (Abstract available)

Ceramics and Refractories

Drozdov, N.G. and Chatinyan, I.S.
LA CARACTÉRISTIQUE DE RÉSISTANCE MÉCANIQUE DES PORCELAINES H.T. EN FONCTION DU MODULE D'ÉLASTICITÉ (The Modulus of Elasticity of H.V. Porcelain as Characteristic of its Mechanical Strength). 11p. 4refs. CNRS-VI 318.
Order from OTS, ETC or CNRS $0.80 TT-62-28035

Trans. in French of Elektrichestvo (USSR), 1955, no.4, p.53-55.

Volf, Milos.
THE NEW EXPLANATION OF USING ARSENIC TRIOXIDE IN THE GLASS INDUSTRY: NEWER GENERAL KNOWLEDGE ON THE CLARIFICATION OF GLASS (Novejsi Vseobecne Poznatky o Cereni Skla). [1963] [21p] (foreign text included)
Order from SLA $2.60 TT-64-10554

Trans. of Sklar a Keramik (Czechoslovakia) 1954, v. 4, p. 77-80.

Fuels, Lubricants, and Hydraulic Fluids

Bagirov, M.A., Vechkhaizer, G.V. and Dzhuvarly, Ch.M.
ÉTUDE SUR LA POSSIBILITÉ DU TRAITEMENT ÉLECTROTHERMIQUE DES COUCHES PÉTROLIFÈRES ÉPUISÉES (Issledovanie Vozmozhmosti Elektrotermicheskogo Vozdeistviya na Istoshchennye Neftenosnye Plasty) (Investigation of the Electrothermal Treatment of Exhausted Oil Formation). 14p. (foreign text included) 4refs. CNRS-XXV 459.
Order from OTS, ETC or CNRS $1.15 TT-62-26402

Trans. in French of Neftyanoe Khozyaistvo (USSR), 1959, v.37, no.5, p.38-42.

Benes, V.
UNE NOUVELLE MÉTHODE DE DOSAGE DE LA PARAFFINE CONTENUE DANS LES RÉSIDUS DE RAFFINAGE DE PÉTROLE (A New Method for the Determination of Paraffin in the Residues of the Refinery of Petroleum). 7p. 3refs. CNRS-VI 519.
Order from OTS, ETC or CNRS $0.80 TT-62-28031

Trans. in French of Chemicky Prumysl (Czechoslovakia), 1958, v.8(33), no.4, n.p.

Gross, S.A.
DÉTERMINATION DE LA VALEUR LIMITE DE LA VISCOSITÉ DU PÉTROLE POMPÉ PAR DES POMPES CENTRIFUGES (Determination of the Limit Value of the Viscosity of Petroleum Pumped by Centrifugal Pumps). 15p. CNRS-XXV 373.

Order from OTS, ETC or CNRS $0.80 TT-62-26737

Trans. in French of Neftyanoe Khozyaistvo (USSR) 1956, no.11, p.49-53.

Kusakov, M.M. and Gudok, N.S.
INFLUENCE DES PRESSIONS EXTÉRIEURES SUR LES PROPRIÉTÉS DE FILTRATION DES ROCHES PÉTROLIFÈRES (Influence of External Pressure on Filtration Properties of "Oil-bearing Rocks" 17p. 15refs CNRS-XXV 344.
Order from OTS, ETC or CNRS $0.80 TT-62-26726

Trans. in French of Neftyanoe Khozyaistvo (USSR) 1958, v.36, no.6, p.40-47.

Losev, B. I.
SOLIDIFIED GAS (Tverdyi Gas)
H. H., tr. 31 Oct 63, 23p I-2891.
Order from OTS, SLA, or ETC $2.60 TT-63-24533

Trans. of [Novoe v Zhizni, Nauke, Tekhnike. Seriya 4: Tekhnika] (USSR) 1962 [no. 9] p. 1-32.

Merkulov, V.M.
SUR LE DÉBIT DES PUITS INCLINÉS ET HORIZONTAUX (O Debite Naklonnykh i Gorizontal'nykh Skvazhin) (The Output of Inclined and Horizontal Wells). 16p. (foreign text included). 3refs. CNRS-XXV 464.
Order from OTS, ETC or CNRS $0.80 TT-62-26404

Trans. in French of Neftyanoe Khozyaistvo (USSR) 1958, v.36, no.6, p.51-56.

Morozov, G. A.
UTILIZATION OF DIESEL OILS WITH ADDITIVES. 7 Nov 63 [148p] 60refs FTD-TT-63-605.
Order from OTS, SLA, or ETC $11.00 TT-64-13102

Trans. of mono. Primenenie Dizel'nykh Masel s Prisadkami, Leningrad, 1962, 113p. (Abstract available)

Rudakov, G.V.
RELATION ENTRE LA CARACTÉRISTIQUE POROMÉTRIQUE DES COLLECTEURS DU GISEMENT DE TUJMAZINE ET CERTAINS PARAMÈTRES PHYSICO-CHIMIQUES DU PÉTROLE BRUT (O Svyazi Porometricheskoi Kharakteristiki Kollektorov Tuimazinskogo Mestorozdeniya s Nekotorymi Fiziko-Khimicheskimi Parametrami Nefti) (Relation Between the Porosity of the Producing Formation of the Tuimazy Oil Field and Physicochemical Properties of Crude Oil). 11p. (foreign text included) 8refs. CNRS-XXV 579.
Order from OTS, ETC or CNRS $0.80 TT-62-26400

Trans. in French of Neftyanoe Khozyaistvo (USSR), 1960, v.38, no.11, p.11-13.

Veselovskii, V.S. and Terpogosova, E.A.
TEMPÉRATURE D'INFLAMMATION DES CHARBONS EN TANT QU'INDICE DE LEUR TENDANCE À L'AUTOINFLAMMATION (Temperatura Vozgoraniya Uglei Kak Pokazatel'Sklonnosti Ikh k Somovozgoroniyu) (Temperature of Ignitions of Coals as a Characteristic of their Tendency toward Self-Ignition). 16p. (foreign text included), 7refs. CNRS-XXV 112.
Order from OTS, ETC or CNRS $1.25 TT-62-26395

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1950, no.8, p.1204-1211.

Leather and Textiles

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 6. 20 Jan 64, 9p JPRS: 22812.
Order from OTS $0.50 TT-64-21339

Trans. of selected abstract from Referativnyi Zhurnal. Leg[kaya] Prom[yshlennost'] (USSR) 1963, no. 10.

Ito, Shinpei and Takahashi, Koyo.
METHOD OF PERFORMING RESIN-PROCESSING AND DYEING SIMULTANEOUSLY BY PHOTOELECTRIC METHOD FOR FABRICS. Feb 64, 5p
Order from SA $16.00 SA Code-P-240

Trans. of published Japanese patent 20643/1963, 5 Oct 63, cl. 48-B-26 (48-B-201) (03-K-1) (48-D-7) (appl. no. 22122/1960, 26 Apr 60) by Nitto Boseki Co., Ltd.

Matveeva, S. P. and Myagkov, V. A.
DETERMINING THE MOLECULAR WEIGHT OF POLYETHYLENE-TEREPHTHALATE FROM THE TERMINAL RADICALS (Opredelenie Molekulyarnogo Vesa Polietilentereftalata po Kontsevym Gruppam). Jan 64, 8p 7refs
Order from OTS $0.50 NASA-TT-F-191

Trans. of Khimicheskie Volokna (USSR) 1959, no. 5, p. 18-21. (Abstract available)

Pakshver, E. A., Vinogradov, G. V., Konstantinov, A. A., and Frolov, A. P.
VARIATION IN VISCOSE VISCOSITY DURING PREPARATION FOR SPINNING, tr. by I. Gawronska. 10 June 63, 8p 7refs Courtaulds Misc. Lit. 3621; [DSIR] NLL M. 5364.
Order from OTS, SLA or ETC $1.10 TT-63-23493

Trans. of Khim[icheskie] Volokna (USSR) 1963, no. 1, p. 38-41. (Abstract available)

Varennes, Alex de.
IT IS POSSIBLE TO PREVENT THE CLOGGING OF SPINNERTS DURING THE SPINNING OF ARTIFICIAL FIBERS. [1963] 3p
Order from SLA $1.10 TT-63-20537

Trans. of l'Industrie Textile (France) 1946, v. 63, p. 179.

Vinogradov, G. V., Konstantinov, A. A., Pakshver, E. A., and Frolov, A. P.
INVESTIGATION OF VISCOSE VISCOSITY, tr. by I. Gawronska. 24 May 63, 11p 14refs Courtaulds Misc. Lit. 3616; [DSIR] NLL M. 5363.
Order from OTS, SLA or ETC $1.60 TT-63-23494

Trans. of Khim[icheskie] Volokna (USSR) 1963, no. 1, p. 33-38. (Abstract available)

Photographic Materials

Bogachkov, N. I.
THE EFFECT OF HAZE ON AERIAL COLOR PHOTOGRAPHY. 28 Oct 63 [18p] 8refs FTD-TT-63-798.
Order from OTS, SLA, or ETC $1.60 TT-64-13167

Unedited rough draft trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) 1962, v. 7, no. 2, p. 112-120.
Another trans. is available from OTS or SLA $1.60 as TT-62-18600 [1962] 17p.

Goldenberg, A.B.
ACTION DE LA LUMIÈRE MONOCHROMATIQUE SUR LES CENTRES PRIMAIRES DES HALOGÉNURES D'ARGENT (Action of Monochromatic Light on Primary Centers in Silver Halides). 7p. 9refs. CNRS-VIII bis 719.
Order from OTS, ETC or CNRS $0.90 TT-62-26372

Trans. in French of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) 1961, v.6, no.4, p.241-246.

Plastics

Ch'i Wen-shih
CURRENT REVIEW OF INSTANTANEOUSLY HIGH TEMPERATURE RESISTING PLASTICS. 31 Dec 63, 25p 40refs JPRS: 22529 (p. 28-52)
Order from OTS $1.50 in TT-64-21173 (p. 28-52)

Trans. of Hua Hsüeh T'ung Pao (Chinese People's Republic) 1963, no. 2, p. 26-33.

Hori, Yasuhiko, Asada, Seiri, and Sato, Ichiro.
METHOD OF SURFACE TREATMENT OF POLYOLEFINE SYNTHETIC RESINS. Feb 64, 5p
Order from SA $16.00 SA Code-P-244

Trans. of published Japanese patent 643/1963, 31 Jan 63, cl. 25-N-231.1 (25-N-222.2) (appl. no. 38938/1960, 17 Sep 60) by Fujimori Kogyo Co., Ltd. (Abstract available)

Polyakova, K. K.
VINIPLAST AND POLYISOBUTYLENE AND THEIR USE IN CONSTRUCTION OF CHEMICAL EQUIPMENT. [1963] 16p 3refs
Order from OTS, SLA, or ETC $1.60 TT-63-18961

Trans. of Vestnik Mashinostroeniya (USSR) 1952, v. 32, no. 4, p. 39-44.

Rogov, V.
ADVANCES IN THE FIELD OF PLASTIC SHEETING AND SYNTHETIC LEATHER. 24 Dec 63, 4p JPRS: 22455 (p. 28-31)
Order from OTS $2.50 in TT-64-21121 (p. 28-31)

Trans. from Leninskoe Znamya (USSR) 1963, 17 Oct, n. 2.

Smirnova, A.M., Pevzner, L.V. and others.
CONTRIBUTION À L'ÉTUDE DE L'INFLUENCE DU FER DISPERSÉ COMME REMPLISSEUR ACTIF SUR LES PROPRIÉTÉS PHYSICO-MÉCANIQUES DES PRODUITS POLYMÉRISÉS (Issledovanie Vliyaniya Dobavok Dispersnogo Zheleza Kak Aktivnogo Napolnitelya na Fiziko-Mekhanicheskie Svoistva Polimernykh Materialov) (The Effects of Disposed Fe, added as an Active Filler, Upon the Physical and Mechanical Properties of Polymeric Materials). 12p.(Foreign text included) 8refs. CNRS-VIII bis 615.
Order from OTS, ETC or CNRS $0.80 TT-62-28290

Trans. in French of Akademiya Nauk SSSR. Doklady, 1960, v.135, no.3, p.663-666.

Yoshimura, Atsushi, Ichikawa, Takashi, and Mori, Fumio.
A METHOD FOR FORMING WATERPROOF COATING PERMEABLE TO AIR. Feb 64, 9p
Order from SA $19.00 SA Code-P-237

Trans. of published Japanese patent 2737/1963, cl 25-N-18 (27-E-23) (25-H-351) 29 Mar 63 (appl. no. 1294/1961, 18 Jan 61) by Nihon Rubber Industry Co., Ltd.

Wood and Paper

Belaya, I.K.
EFFET DES RAYONNEMENTS ULTRA-VIOLETS DES LAMPES BACTÉRICIDES SUR LE PAPIER (The Effect on Paper of Short-Wave Ultraviolet Radiation). 8p. 9refs. CNRS-VI 258.
Order from OTS, ETC or CNRS $0.80 TT-62-28015

Trans. in French of Bumazhnaya Promyshlennost (USSR) 1957, v.32, no.9, p.9-10.

Giertz, Hans. W.
HIGH YIELD PULPS AND THEIR PROPERTIES. [1963] [10p] 10refs
Order from SLA $1.10 TT-64-10684

Trans. of das Papier (West Germany) 1963, v. 17, no. 5, p. 191-196.

Khurshudyan, P. A.
SOME DATA ON THE RELATION BETWEEN ANNUAL RING WIDTH AND THE PHYSICAL AND MECHANICAL PROPERTIES OF ARMENIAN OAK WOOD (Nekotorye Dannye o Svyazi Mezhdu Shirinoi Godichnogo Sloya i Fiziko-Mekhanicheskimi Svoistvami Drevesiny Dubov Armenii). 1963, 10p 2refs PL-480 Agr.
Order from OTS $0.50 TT-63-11091

Trans. of Akademiya Nauk Armyanskoi SSR [Erevan]. Izvestiya. Biologicheskie Nauki, 1958, v. 11, no. 4, p. 33-43. (Abstract available)

MATHEMATICS

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 10. 23 Jan 64, 7p JPRS: 22861.
Order from OTS $0.50 TT-64-21369

Trans. of selected abstracts from Referativnyi Zhurnal. Matematika (USSR) 1963, no. 11. (Abstract available)

Gel'fand, I. M., Pyatetskii-Shapiro, I. I., and Tsetlin, M. L.
CERTAIN CLASSES OF GAMES AND GAMES FOR AUTOMATA. 31 Dec 63, 9p 8refs JPRS: 22519.
Order from OTS $0.50 TT-64-21164

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 152, no. 1, p. 845-848.

Shvidler, M. I.
SOLUTION OF PROBLEMS OF TWO-DIMENSIONAL FLOW BY THE MONTE CARLO METHOD (Reshenie Ploskikh Filtratsionnykh Zadach Metodom Monte-Karlo). Nov 63 [12p] 5refs RTS-2358.
Order from OTS, SLA, or ETC $1.60 TT-64-13384

Trans. of A[kademiya] N[auk] SSSR. O[tdelenie] T[ekhnicheskikh] N[auk]. Izv[estiya]: Mekhanika i Mashinostroenie, 1963, no. 1, p. 141-145.

Computing Devices

Belyakin, N.V.
THE ARRANGEMENT OF INTERMEDIATE INFORMATION WHEN COMPUTING ON NONERASING TURING MACHINES. 3 Jan 64, 5p 3refs JPRS: 22608.
Order from OTS $0.50 TT-64-21212

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 152, no. 1, p. 75-77.

Novik, I. B.
CYBERNETICS AND THE DEVELOPMENT OF CONTEMPORARY SCIENTIFIC KNOWLEDGE. 16 Dec 63, 14p JPRS: 22296.
Order from OTS $0.50 TT-64-21026

Trans. of Priroda (USSR) 1963 [v. 52] no. 10, p. 3-11.

Pukhov, H. E., Bakaev, O. O., Branovyts'ka, S. V. Mikhalevych, V. S., and Shor, N. Z.
REVERSIBLE OPERATIONAL AMPLIFIER [AND] DETERMINATION OF THE CHARACTERISTICS OF A TRANSPORTATION NETWORK BY THE METHOD OF SUCCESSIVE ANALYSIS OF VARIATIONS.
3 Jan 64, 13p 3refs JPRS: 22607.
Order from OTS $0.50 TT-64-21211

Trans. of Akademiya Nauk URSR, Kiev. Dopovidi, 1963, no. 4, p. 466-472.

Usynin, V. I.
TRANSFORMER-TYPE DIFFERENTIAL ANALYZER FOR LINEAR EQUATIONS WITH CONSTANT COEFFICIENTS. 14 Oct 63 [5p] FTD-TT-63-840.
Order from OTS, SLA, or ETC $1.10 TT-64-13159

Unedited rough draft trans. of Russian patent 147369, appl. 726464/26, 13 Apr 61. (Abstract available)

MECHANICS

Birger, I[saak] A[ronovich].
ROUND PLATES AND SHELLS OF REVOLUTION. 25 Sep 63 [412p] 86refs FTD-TT-62-1662.
Order from OTS, SLA, or ETC $22.25 TT-64-13063

Unedited rough draft trans. of mono. Kruglye Plastinki i Obolochki Vrashcheniya, Moscow, 1961, 368p. (Abstract available)

Bolotin, V. V.
METHODES STATISTIQUES POUR LA THÉORIE NON LINÉAIRE DES ENVELOPPES ÉLASTIQUES (Statistical Methods in the Nonlinear Theory of Elastic Shells). 17p. 8refs. CNRS-XV 91.
Order from OTS, ETC or CNRS $0.80 TT-62-28204

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1958, no. 3, p. 33-41. Other translations are available in English from OTS or SLA $2.60 as TT-63-14662, 20p; $1.60 as TT-62-16026, 20p; and from OTS $0.50 as NASA-TT-F-85, 16p.

Fel'dman, M.R.
THÉORIE DE L'ÉLASTICITÉ. STABILITÉ DES BARRES À SECTION VARIABLE (The Stabilities of Rods of Variable Section). 15p. 3refs. CNRS-XV 102.
Order from OTS, ETC or CNRS $0.80 TT-62-28210

Trans. in French of Akademiya Nauk Armyanskoi SSR (Erevan). Izvestiya. Fiziko-Matematicheskie Estestvennye i Tekhnicheskie Nauki, 1957, v.10, no.4, p.19-28.

Fleishman, N. P. and Shablii, O. M.
EFFECT OF CONCENTRICAL RIBS ON THE FREQUENCY OF FREE OSCILLATIONS OF ROUND AND RING SHAPED PLATES. 9 Oct 63 [9p] 3refs FTD-TT-63-810.
Order from OTS, SLA, or ETC $1.10 TT-64-13157

Unedited rough draft trans. of Prykladna Mekhanika (USSR) 1961, v. 7, no. 3, p. 326-331.

Forsman, N.A.
DÉTERMINATION APPROXIMATIVE DE LA CONCENTRATION DES CONTRAINTS DANS UNE BARRE ÉLASTIQUE TENDUE COMPORTANT UNE ENTAILLE (Approximate Determination of Stress Concentrations in an Extended Elastic Bar With a Notch). 21p. 4refs. CNRS-XV 94.
Order from OTS, ETC or CNRS $0.85 TT-62-28205

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1958, no.3, p.73-81.

Grigolyuk, E.I.
LA STABILITÉ DÉSENVELOPPÉS HÉTÉROGÈNES ELASTICO-PLASTIQUES (Ustoichivost' Uprugo-Plasticheskikh Neodnorodnykh Obolochek) (The Stability of Unhomogeneous Elasticoplastic Shells). 10p. (Foreign text included) 2refs. CNRS-XV 96.
Order from OTS, ETC or CNRS $0.80 TT-62-28207

Trans. in French of Akademiya Nauk SSSR. Doklady, 1958, v.119, no.4, p.663-666.

Grigor'ev, A. S.
DEUX PROBLEMES TRES SIMPLES DE L'EQUILIBRE ELASTIQUE AVEC DEPLACEMENTS IMPORTANTS (Two Single Problems of Elastic Equilibrium Considering Finite Displacements). 5p. 1ref. CNRS-XV 120
Order from OTS, ETC or CNRS $0.80 TT-62-28125

Trans. in French from [Akademiya Nauk SSSR. Institut Mekhaniki]. Inzhenernyi Sbornik, 1958, v. 26.

Kolesnikov, L.A.
MÉTHODE NUMÉRIQUE PAR APPOXIMATIONS SUCCESSIVES POUR L'ÉTUDE DES DÉPLACEMENTS FINIS DES TIGES ÉLASTIQUES COURBES SOUMISES À DES CHARGES COMPLEXES (Numerical Method of Successive Approximations for the Investigation of Finite Displacements of Bent Bars Subject to Complicated Loads). 12p. 3refs. CNRS-XV 118.
Order from OTS, ETC or CNRS $0.80 TT-62-28124

Trans. in French of [Akademiya Nauk SSSR. Institut Mekhaniki]. Inzhenernyi Sbornik, 1958, v. 26, p. 228-235.

Kononchuk, N. I. and Yakovlev, Yu. A.
SPECIFIC FEATURES OF THERMAL STABILITY TESTS ON HEAT RESISTANT MATERIALS.
19 Sep 63, 13p FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 in TT-64-13106 (p. 125-137)

Unedited rough draft trans. from mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962.

Malkina, R. L.
FORCED OSCILLATIONS OF CYLINDRICAL SHELLS.
23 Sep 63 [15p] 6refs FTD-TT-63-742.
Order from OTS, SLA, or ETC $1.60 TT-63-24539

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1960, no. 4, p. 51-60. (Abstract available)

Malyutin, I.S.
FLAMBEMENT D'UNE TIGE AU-DELÀ DE SA LIMITE D'ÉLASTICITÉ (Buckling of a Bar Beyond the Elastic Limit). 12p. 6refs. CNRS-XV 115.
Order from OTS, ETC or CNRS $0.80 TT-62-28212

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1958, no.8, p.112-116.

Mikhailichenko, K.A.
CALCUL DE LA STABILITÉ DES SYSTÈMES DE TIGES ARTICULES (Stability of Systems of Pinned Bars). 30p. 7refs. CNRS-XV 119.
Order from OTS, ETC or CNRS $1.10 TT-62-28123

Trans. in French of [Akademiya Nauk SSSR. Institut Mekhaniki]. Inzhenernyi Sbornik, 1958, v. 26, p. 252-269.

Popov, S.M.
STABILITÉ DES TIGES ET PLAQUES AU-DELÀ DE LA LIMITE ÉLASTIQUE (Stability of Bars and Plates Beyond the Elastic Limit). 28p. 4refs. CNRS-XV 117
Order from OTS, ETC or CNRS $1.05 TT-62-28213

Trans in French of Akademiya Nauk SSSR. Institut Mekhaniki]. Inzhenernyi Sbornik, 1958, v. 26, p. 161-178

Uzdalev, A.I.
ÉQUILIBRE ÉLASTIQUE D'UNE TIGE DOUÉE D'UNE ANISOTROPIE CYLINDRIQUE SOUS L'ACTION D'UNE CHARGE UNIFORMEMENT RÉPARTIE SUIVANT SA LONGUEUR (Elastic equilibrium of Bars Having Cylindrical Anisotropy and Subject to Loads Uniformly Distributed Along the Length). 20p 4refs CNRS-XV 116.
Order from OTS, ETC or CNRS $0.80 TT-62-28122

Trans. in French of [Akademiya Nauk SSSR. Institut Mekhaniki]. Inzhenernyi Sbornik, 1958, v. 26, p. 148-160.

Vyaz'menskii, S. P.
STABILITÉ DE LA FORCE RECTILIGNE D'EQUILIBRE D'UNE TIGE ÉLASTIQUE COMPRIMÉE ET TORDUE (On Stability of Rectilinear Form of a Bar Subject to Compression and Torsion in the Elastic Range) 15p. 6refs. CNRS-XV 127.
Order from OTS, ETC or CNRS $0.80 TT-62-28127

Trans. in French of [Akademiya Nauk SSSR. Institut Mekhaniki]. Inzhenernyi Sbornik, 1959, v. 25, p. 164-173.

Zhukov, A.M.
DÉFORMATIONS PLASTIQUES D'UN MÉTAL ISOTROPE SOUMIS À DES EFFORTS COMBINÉS (Plastic Deformations of an Isotropic Metal Under Complex Loading). 26p. 14refs. CNRS-XV 63.
Order from OTS, ETC or CNRS $1.00 TT-62-28196

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1956, no.12, p.72-87.

Zubchaninov, V.G.
STABILITÉ DES TIGES COMME ÉLÉMENTS D'OUVRAGES AU-DELÀ DE LA LIMITE D'ÉLASTICITÉ (Stability Beyond Elastic Lin.it of Rods in Rigid Structures). 21p. 10refs. CNRS-XV 132.
Order from OTS, ETC or CNRS $0.85 TT-62-28129

Trans. in French of [Akademiya Nauk SSSR. Institut Mekhaniki]. Inzhenernyi Sbornik, 1960, v. 27, p. 101-113.

Zubchaninov, V.G.
STABILITÉ DES TIGES EN TANT QU'ÉLÉMENTS STRUCTURAUX AU-DELÀ DE LA LIMITE ÉLASTIQUE (Stability Beyond Elastic Limit of Rods in Rigid Structures). 20p. 10refs. CNRS-XV 141.
Order from OTS, ETC or CNRS $0.80 TT- 62-28200

Trans. in French of [Akademiya Nauk SSSR. Institut Mekhaniki]. Inzhenernyi Sbornik, 1960, v. 27, p. 101-113.

Aerodynamics and Pneumatics

Bulygina, E. V., Polyakov, M. B., and Shcherbak, Ya. S.
THIN WING PROFILE WITH MINIMUM MEAN COEFFICIENT OF HEAT TRANSFER FOR A GIVEN LIFT [Profil' Krylas Minimal'nym Srednim Koeffitsientom Teplootdachi pri Zadannoi Pod'emnoi Sile]. 17 Oct 63 [11p] 5refs FTD-TT-63-804.
Order from OTS, SLA, or ETC $1.60 TT-64-13158

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 2, p. 17-25.
Another trans. is available from OTS or SLA $1.60 as TT-63-13620, Rand-RM-3410-PR, Nov 62 [18p].

Neiland, V. Ya., Taganov, G. I., Bukovshin, V. G.
ON THE CONFIGURATION OF FORWARD SEPARATION ZONES DURING SYMMETRICAL FLOW AROUND BODIES WITH SUPERSONIC GAS FLOW [AND] DETERMINING THE AERODYNAMIC FORCES AFFECTING A BODY WITH FORWARD SEPARATION ZONES AT HYPERSONIC FLOW VELOCITIES. 15 Oct 63 [26p] 8refs FTD-TT-63-969.
Order from OTS, SLA, or ETC $2.60 TT-64-13162

Unedited rough draft trans. of Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 2, p. 207-221.

Hydrodynamics, Hydraulics, and Hydrostatics

Bata, Geza, Iovanovic, Slavoljub, and Vukmirovic, Vojislav.
NOMOGRAPHS FOR HYDRAULIC CALCULATION, PT. I V. Skerl, tr. 1963, 148p 30refs PL-480 Int.
Order from OTS $1.50 TT-63-11451/3

Trans. of Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 28. (Abstract available)

Bruk, Stevan.
SOME PHYSICAL PRINCIPLES OF RIVER HYDRAULICS, K. Stankovic, tr. 1963, 110p 72refs PL-480 Int.
Order from OTS $1.00 TT-63-11451/2

Trans. of Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 27. (Abstract available)

Ihnatowicz, S.
LES CONSTRUCTIONS HYDRAULIQUES DANS LE QUATRIÈME PLAN QUINQUENNAL (1945-1950) DE L'UNION SOVIÉTIQUE (Hydraulic Constructions in the Fourth Five Year Plan). 14p. (foreign text included) 6refs. CNRS-XXV 30.
Order from OTS, ETC or CNRS $0.80 TT-62-26394

Trans. in French of Gospodarka Wodna (Poland) 1947, v.7, no.2, p.67-70.

METALLURGY

ULTRASONICS HEIGHTENS THE STRENGTH OF PARTS. 31 Oct 63 [4p] FTD-TT-63-1001.
Order from OTS, SLA, or ETC $1.10 TT-64-13120

Unedited rough draft trans. from Ekonomicheskaya Gazeta (USSR) 1961, 1 Apr, p. 4.

Akimov, L. M.
THERMAL STABILITY TESTS ON NOTCHED SPECIMENS OF SHEET MATERIALS. 19 Sep 63, 7p FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 in TT-64-13106 (p. 138-144)

Unedited rough draft trans. from mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962. (Abstract available)

Akimov, L. M. and Sklyarov, N. M.
METHODS OF TESTING HEAT RESISTANT ALLOYS FOR THERMAL STABILITY. 19 Sep 63, 35p FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 in TT-64-13106 (p. 1-17)

Unedited rough draft trans. from mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962.

Aleksandrova, A. T., Brodskii, S. I., Sazhin, I. I., and Shchirenko, G. N.
EQUIPMENT FOR PROCESSING REFRACTORY METALS IN THE ELECTROVACUUM INDUSTRY. 24 Jan 64, 200p 16refs JPRS: 22894.
Order from OTS $3.50 TT-64-21388

Trans. of mono. Oborudovanie dlya Obrabotki Tugoplavkikh Metallov v Elektrovakuumnom Proizvodstve, Moscow/Leningrad, 1963, p. 1-80. (Abstract available)

Antipov, K. I.
THE USE OF METALLIC TITANIUM INSTEAD OF FERROTITANIUM IN THE MELTING OF STAINLESS STEELS. [1963] 1p [DSIR] NLL M. 5376.
Order from OTS, SLA, or ETC $1.10 TT-63-23925

Trans. of #Stal' (USSR) 1963, v. 23, no. 2, p. 136. (Abstract available)

Balkovets, D. S. and Kaganov, L. N.
SOME FEATURES OF WELDING NIOBIUM AND ITS ALLOYS. 3 Jan 64, 10p 4refs JPRS: 22597.
Order from OTS $0.50 TT-64-21205

Trans. of #Svarochnoe Proizvodstvo (USSR) 1963, no. 10, p. 10-12. (Abstract available)

El'yasberg, M. E.
SUR LA STABILITÉ DU PROCESSUS DE COUPE DES MÉTAUX (Ob Ustoichivosti Irotsecca Rezaniya Metallov) (The Stability of Metal Cutting Processes). 34p. (foreign text included). 7refs. CNRS-XXV 413.
Order from OTS, ETC or CNRS $2.00 TT-62-26398

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1958, no.9, p.37-52. Other translations in English are available from LC or SLA mi$3.60, ph$9.30 as 61-10675, and from LC or SLA mi$3.00, ph$6.30 as 60-23209.

Erokhin, A. A. and Petrunichev, V. A.
KINETICS OF THE PROCESS OF MELTING AND ELECTRODE METAL TRANSFER IN ARC WELDING (Kinetika Protsessa Plavleniya i Perenosa Elektrodnogo Metalla pri Dugovoi Svarke). Aug 63 [17p] 4refs RTS-2298.
Order from OTS, SLA, or ETC $1.60 TT-63-24628

Trans. of Akademiya Nauk SSSR. O[tdelenie] T[ekhnicheskikh] N[auk]. Izvestiya: Metallurgiya i Toplivo, 1959, no. 2, p. 69-77. (Abstract available)

Fyalkov, A. S.
MIKHAIL YUL'EVICH BAL'SHIN (ON OCCASION OF HIS 60TH BIRTHDAY). 30 Dec 63, 5p 15refs JPRS: 22494 (p. 1-5)
Order from OTS $1.50 in TT-64-21149 (p. 1-5)

Trans. of Poroshkovaya Metallurgiya (USSR) 1963 [v. 3] no. 4, p. 3-5.

Ignashev, E. P., Kharin, A. U., and Medovar, B. I.
STRIP ROLLING OF MOLYBDENUM PRESSED BILLETS SINTERED IN MOIST HYDROGEN ATMOSPHERE [AND] ELECTROSLAG RESMELTING TO BENEFIT MACHINE BUILDING. 13 Dec 63, 12p 4refs JPRS: 22285.
Order from OTS $0.50 TT-64-21018

Trans. of Poroshkovaya Metallurgiya (USSR) 1963 [v. 3] no. 3, p. 99-103; Mashinostroenie (USSR) 1963, no. 5(23) p. 78-81.

Korolev, V. M. and Stepanov, V. M.
INTRICATE INVESTMENT CASTING. 31 Dec 63, 178p JPRS: 22509; N64-12143.
Order from OTS $3.00 TT-64-21159

Trans. of mono. Fasonnoe Lit'e po Vyplavlyaemym Modelyam, Moscow, 1962, 158p. (Abstract available)

Kribocheev, A. E. and Taran, Yu. N.
STRUCTURAL CHARACTERISTICS OF HIGH-HARDNESS TWIN-LAYER ROLLS FROM CHROMIUM-NICKEL CAST IRON (Ob Osobennostyakh Struktury Vysokotverdykh Dvukhsloinykh Valkov iz Khromonikelevogo Chuguna). [1963] [15p] (foreign text included) 11refs [DSIR] NLL M. 5379.
Available from OTS on loan TT-63-23923

Trans. of Izvest[iya] Vys[shikh] Ucheb[nykh] Zaved[enii]. Chernaya Met[allurigya] (USSR) 1962, no. 12, p. 131-137.

Krivoukhov, V. A., Egorov, S. V., Brushtein, B. E., Markov, A. I., and Chervyakov, A. G.
MACHINABILITY OF HEAT-RESISTANT AND TITANIUM ALLOYS. 26 Sep 63 [321p] 91refs FTD-TT-62-1257.
Order from OTS, SLA, or ETC $19.75 TT-64-13107

Unedited rough draft trans. of mono. Obrabatyvaemost' Rezaniem Zharoprochnykh i Titanovykh Splavov, Moscow, 1961, 244p. (Abstract available)

LEONID IL'ICH FANTALOV (ON OCCASION OF HIS 80TH BIRTHDAY). 30 Dec 63, 2p JPRS: 22494
(p. 13-14)
Order from OTS $1.50 in TT-64-21149 (p. 13-14)

Trans. of Liteinoe Proizvodstvo (USSR) 1963, no. 8, p. 47-48.

Meerson, G. A.
CARBIDE HARD ALLOYS: THE MOST IMPORTANT PRODUCT OF POWDER METALLURGY. 3 Jan 64, 19p 17refs JPRS: 22600; N64-12902.
Order from OTS $0.50 TT-64-21208

Trans. of Issledovanie Splavov Tsvetnykh Metallov (USSR) 1963, v. 4, p. 266-278.

Navara, E.
A CONTRIBUTION TO THE THEORY OF METAL FRICTION. 23 Dec 63, 6p 6refs JPRS: 22429.
Order from OTS $0.50 TT-64-21102

Trans. of Technicke Zpravy VUPM (Czechoslovakia) 1962, no. 4, p. 15-20. (Abstract available)

Perkas, M. D.
INVESTIGATION INTO THE STRUCTURE AND PROPERTIES OF THE σ-PHASE IN ALLOYS BASED ON THE IRON-NICKEL SYSTEM (Issledovanie Struktury i Svoistv σ-Fazy Splavov na Osnove Sistemy Zhelezo-Nikel'). [1963] [24p] (foreign text included) 11refs [DSIR] NLL M. 5383.
Order from OTS, SLA, or ETC $2.60 TT-63-23918

Trans. of #Fiz[ika] Metal[lov i] Metalloved[enie] (USSR) 1963, v. 15, no. 4, p. 554-564.
(Abstract available)

Platonov, A. A. and Sklyarov, N. M.
THERMAL STABILITY TESTS ON HEAT RESISTANT ALLOYS BY METHOD OF ACCUMULATING RESIDUAL DEFORMATION. 19 Sep 63, 12p FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 in TT-64-13106 (p. 18-29)

Unedited rough draft trans. from mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962. (Abstract available)

Platonov, A. A., Skvortsov, G. V., and Sklyarov, N.M.
THERMAL STABILITY TESTS ON HEAT RESISTANT ALLOYS WHEN THE WORKING LENGTH OF THE SPECIMEN IS INVARIABLE (RIGID CLAMPING).
19 Sep 63, 7p FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 in TT-64-13106 (p. 30-36)

Unedited rough draft trans. from mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962. (Abstract available)

Puzanov, M. A.
MACHINE FOR TESTING WEAR AT HIGH CONTACT PRESSURES (Mashina dlya Ispytaniya na Iznos pei Vysokikh Kontaktnykh Davleniyakh). Symposium no. 22, 1956. 28 Jul 61 [18p] Trafford Park Trans. no. 2949; [DSIR] NLL M. 3463.
Order from OTS, SLA, or ETC $1.60 TT-63-13392

Trans. of mono. Povyshenie Iznosoustoichivosti Detalei Mashin [Increasing the Wear-Resistance of Machine Parts, Kiev, 1959] p. 120-128. (Abstract available)

Radetskaya, E. M.
EFFECT OF TEMPERATURE STRESSES ON ENDURANCE OF HEAT RESISTANT ALLOYS. 19 Sep 63, 8p FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 in TT-64-13106 (p. 47-54)

Unedited rough draft trans. from mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962. (Abstract available)

Shinyaev, A. Ya.
THE SELF-DIFFUSION OF NICKEL (Samodiffuziya Nikelya). [1963] [12p] (foreign text included) 14refs [DSIR] NLL M. 5388.
Available from OTS on loan TT-63-23929

Trans. of #Fiz[ika] Metal[lov i] Metalloved[enie] (USSR) 1963, v. 15, no. 1, p. 100-104. (Abstract available)

Shinyaev, A. Ya. and Bondarev, V. V.
CERTAIN PROBLEMS INVOLVED IN THE BRAZING OF TITANIUM ALLOYS. 2 Dec 63, 10p 4refs JPRS: 22096; N64-11271.
Order from OTS $0.50 TT-63-41266

Trans. of #Svarochnoe Proizvodstvo (USSR) 1963, no. 10, p. 15-17. (Abstract available)

Skladnov, I. K.
STUDY OF DEPENDENCE OF THERMAL STABILITY IN SHEET MATERIALS ON HEAT TREATMENT AND STATE OF SURFACE. 19 Sep 63, 13p FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 in TT-64-13106 (p. 112-124)

Unedited rough draft trans. from mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962. (Abstract available)

Skladnov, I. K. and Sklyarov, N. M.
THERMAL STABILITY TESTS ON HEAT RESISTANT ALLOYS WITH SIMULATED AND REAL BLADES AND FREE SPECIMENS. 19 Sep 63, 10p
FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 in TT-64-13106 (p. 37-46)

Unedited rough draft trans. from mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962. (Abstract available)

Sklyarov, N. M., ed.
THERMAL STABILITY OF HEAT-RESISTANT ALLOYS. 19 Sep 63 [175p] 11refs FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 TT-64-13106

Unedited rough draft trans. of mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962, p. 3-169. (Abstract available)

Separate entries have been prepared for the individual articles.

Stroev, S. S. and Samoilov, N. S.
STUDY OF THE THERMAL STABILITY OF SOME HEAT RESISTANT ALLOYS. 19 Sep 63, 24p FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 in TT-64-13106 (p. 75-98)

Unedited rough draft trans. from mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962.

Stroev, S. S. and Samoilov, N. S.
THERMAL STABILITY TESTS WITH CERTAIN HEAT RESISTANT SHEET ALLOYS. 19 Sep 63, 13p FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 in TT-64-13106 (p. 99-111)

Unedited rough draft trans. from mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962. (Abstract available)

Tsarevskii, B. V. and Popel', S. I.
THE SURFACE PROPERTIES OF IRON-CARBON ALLOYS (Poverkhnostnye Svoistva Splavov Zhelezo-Uglerod). Dec 63, 10p 13refs NASA Technical Trans. F-149.
Order from OTS $0.50 TT-64-11501

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1960, no. 8, p. 15-21. (Abstract available)

Vladimirov, I. A.
THERMAL STABILITY OF JET ENGINE PARTS. 19 Sep 63, 19p FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 in TT-64-13106 (p. 55-74)

Unedited rough draft trans. from mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962. (Abstract available)

Zhukov, S. L., Skladnov, I. K., Lapitskii, Yu. A., and Novikov, M. S.
STUDY OF THERMAL STABILITY OF SHEET HEAT RESISTANT ALLOYS. 19 Sep 63, 6p 11refs FTD-TT-63-147.
Order from OTS, SLA, or ETC $12.50 in TT-64-13106 (p. 145-150)

Unedited rough draft trans. from mono. Termostoikost' Zharoprochnykh Splavov: Sbornik Statei, Moscow, 1962.

USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 163. 2 Dec 63, 32p JPRS: 22095.
Order from OTS $1.00 TT-63-41265

Trans. of 16 selected articles from Sep-Oct 63 issues of 5 Russian newspapers. (Abstract available)

Fitilev, B. V., Gubert, S. V., and Osipov, A. I.
ON THE SUBJECT OF PROSPECTS FOR THE DEVELOPMENT OF CONTINUOUS TEEMING OF STEEL. 3 Jan 64, 8p JPRS: 22594; N64-12150.
Order from OTS $0.50 TT-64-21202

Trans. of #Stal' (USSR) 1963 [v. 23] no. 10, p. 889-892. (Abstract available)

Piwowarsky, E.
WHAT IS MEEHANITE (Was ist Meehanite) [1963] [21p] (foreign text included 14refs
Order from SLA $2.60 TT-64-10541

Trans. of Giesserei (West Germany) 1953, v. 40, no. 14, p. 354-359.

Schurmann, Eberhard.
THE DESULFURIZATION OF CAST IRON BY MANGANESE (Die Manganentschwefelung bei Gusseisen). [1963] [41p] (foreign text included) 38refs
Order from SLA $4.60 TT-64-10544

Trans. of Giesserei (West Germany) 1961, v. 48, no. 17, p. 481-487.

Spirkov, A.
ANALYSE QUANTITATIVE DES PHASES DES ALLIAGES "KOVAR" AU MOYEN DES RAYONS X. (Quantitative Phase Analysis of Kovar Alloys by X-ray Diffraction Methods). 19p, 20refs. CNRS-XVII 515.
Order from OTS, ETC or CNRS $0.80 TT-62-28227

Trans. in French of Hutnické Listy (Czechoslovakia) 1957, v.12, no.7, p.609-613.

Yupko, L. D.
HISTORY AND ACHIEVEMENTS OF ZAPOROZHSTAL' PLANT ON THE OCCASION OF ITS THIRTIETH ANNIVERSARY. USSR Industrial Development: Soviet Ferrous Metallurgy no. 171. 24 Jan 64, 8p JPRS: 22883.
Order from OTS $0.50 TT-64-21378

Trans. of #Metallurg (USSR) 1963 [v. 8] no. 11, p. 1-3.

Light Metals

Khorev, A. I., Moiseev, V. N., Gruzdeva, L. A. and Morozov, L. N.
EFFECT OF OXYGEN ON THE PROPERTIES AND HEAT TREATMENT OF TITANIUM ALLOY VT14. 3 Jan 64, 9p JPRS: 22595; N64-12151.
Order from OTS $0.50 TT-64-21203

Trans. of #Tsvetnye Metally (USSR) 1963 [v. 36] no. 11, p. 69-74.

Verkin, B. I. and Mikhailov, I. F.
MAGNETIC PROPERTIES OF METALS AT LOW TEMPERATURES. III. A BENDING FORM FOR CURVES OF "PERIODIC" DEPENDENCE OF SUSCEPTIBILITY OF METALS UPON FIELD. 30 Sep 63 [13p] 9refs FTD-TT-63-518.
Order from OTS, SLA, or ETC $1.60 TT-64-13108

Unedited rough draft trans. of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1953, v. 25, no. 4, p. 471-478. (Abstract available)

Nonferrous (except light) Metals

RESEARCH INTO ZIRCONIUM HYDRIDE IN ZIRCALOY-2 AND ZR-Nb ALLOYS. Quarterly rept. no. 2, 1 Jan-31 Mar 62. [1963] 43p
Contract 024-61-10-RDA
Order from OTS, SLA, or ETC $4.60 EURAEC-328

Trans. of a rept. from Siemens-Schuckertwerke A. G., Erlangen (West Germany) n. d.

RESEARCH ON ZIRCONIUM HYDRIDE IN ZIRCALOY-2 AND ZR-Nb ALLOYS. Quarterly rept. no. 3, 1 Apr-30 Jun 62. [1963] 61p
Contract 024-61-10-RDA
Order from OTS, SLA, or ETC $6.60 EURAEC-383

Trans. of a rept. from Siemens-Schuckertwerke A.G., Erlangen (West Germany) n. d.

USSR INDUSTRIAL DEVELOPMENT: SOVIET NONFERROUS METALLURGY NO. 82. 28 Jan 64, 62p JPRS: 22934.
Order from OTS $1.75 TT-64-21409

Trans. of 20 selected articles from Aug-Nov 63 issues of various Russian language publications.

Droznenko, V.
ARTIFICIAL DIAMONDS IN UKRAINIAN INDUSTRY. USSR Industrial Development: Soviet Nonferrous Metallurgy no. 81. 27 Jan 64, 6p JPRS: 22909.
Order from OTS $0.50 TT-64-21393

Trans. from Radyans'ka Ukrayina (USSR) 1963, 7 Dec, p. 2.

Kanavalau, Ya. R. and Yafremau, V. I.
EFFECT OF ULTRASOUND ON THE TENACITY AND PLASTICITY OF STATICALLY STRESSED BRASS. 10 Oct 63 [10p] 8refs FTD-TT-63-898.
Order from OTS, SLA, or ETC $1.10 TT-64-13099

Unedited rough draft trans. of Akademiya Navuk BSSR [Minsk. Vestsi]. Seryya Fizika-Tekhnichnykh Navuk, 1961, no. 1, p. 114-119. (Abstract available)

Konobeevskii, S. T. and Kutaitsev, V. I.
ALLOYS OF PLUTONIUM. 3 Jan 64, 11p 7refs JPRS: 22599.
Order from OTS $0.50 TT-64-21207

Trans. of Issledovanie Splavov Tsvetnykh Metallov (USSR) 1963, v. 4, p. 17-24.

Savitskii, E. M. and Zakharov, A. M.
INVESTIGATION OF THE TERNARY SYSTEMS NIOBIUM-TUNGSTEN-ZIRCONIUM AND NIOBIUM-MOLYBDENUM-ZIRCONIUM. 3 Jan 64, 12p 18refs JPRS: 22593; N64-12358.
Order from OTS $0.50 TT-64-21201

Trans. of Izzledovanie Splavov Tsvetnykh Metallov (USSR) 1963, v. 4, p. 108-116. (Abstract available)

Vrbanac, O., Lovreček, B. and Lovreček, I.
LE TRAITEMENT CHIMIQUE DU MINÉRAI DE MANGANÈSE DU PAYS (Kemyska Prerada Domaće Manganske Rudače I.) (Chemical Treatment of Domestic Manganese Ores) 12p. (foreign text included). 10refs. CNRS-VIII bis 439.
Order from OTS, ETC or CNRS $0.80 TT-62-28157

Trans. in French of Kemija u Industriji (Yugoslavia) 1955, v.4, no.2, p.25-27.

Structural Metallurgy and Corrosion

[STUDIES OF STEEL CORROSION] IN WATER AND VAPOR AT HIGH TEMPERATURE. Quarterly rept. no. 1, 16 Jun-30 Sep 62. [1963] 60p 86refs
Contract 089-62-7 RDB
Order from OTS, SLA, or ETC $5.60 EURAEC-474

Trans. of a rept. from Societe d'Etudes, de Recherches et d'Applications pour l'Industrie, Brussels (Belgium) Oct 62. (Abstract available)

STUDY OF SOME OXIDATION PROBLEMS [OF METALS] AND APPLICATION OF IMPEDANCE MEASUREMENT METHODS TO THE STUDY OF RESISTANCE TO CORROSION [DUE TO AN] AQUEOUS MEDIUM. Quarterly rept. no. 1 (pts. 1-2) 1 Apr-30 Jun 62. [1963] 9p Contract 081-62-5 RDB
Order from OTS, SLA, or ETC $1.10 EURAEC-379

Trans. of a rept. from Brussels Free U. (Belgium) n. d. (Abstract available)

STUDY OF SOME OXIDATION PROBLEMS OF METALS AND APPLICATION OF IMPEDANCE MEASURING METHODS TO THE STUDY OF THE RESISTANCE TO CORROSION DUE TO AN AQUEOUS MEDIUM.
Quarterly rept. no. 2 (pts. 1-2) 1 Jul-30 Sep 62. [1963] 41p
Contract 081-62-5 RDB
Order from OTS, SLA, or ETC $4.60 EURAEC-483

Trans. of a rept. from Brussels Free U. (Belgium) n.d. (Abstract available)

Bozic, Branko I. and Vidojevic, Nada P.
A CONTRIBUTION TO THE INVESTIGATION OF (α-β_1) THE BRASS HARDENING PHENOMENON.
1963, 11p 5refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 85-95)

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 327-338. (Abstract available)

Bozic, Branko I. and Vidojevic, Nada P.
A CONTRIBUTION TO THE STUDY OF THE EQUILIBRIUM DIAGRAM OF THE Fe-As SYSTEM.
1963, 9p 7refs PL-480 Comm.
Order from OTS $0.75 in TT-62-11757/5-6 (p. 97-105)

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 5/6, p. 341-348. (Abstract available)

Gorshkov, A. A. and Denisevich, V. E.
THE CORROSION OF CAST IRON PIPES (K Voprosu o Korrozii Chugunnykh Trub). [1963] [10p] (foreign text included) [DSIR] NLL M. 5386.
Order from OTS, SLA, or ETC $1.10 TT-63-23928

Trans. of Akad[emiya] Nauk URSR [Kiev. Inst[ytut Lyvarnoho Vyrobnytstva. Naukovi Pratsi] 1962, v. 11, p. 80-84. (Abstract available)

Katoh, M.
RELATION ENTRE LA VARIATION DU POTENTIEL D'UN MÉTAL ET LA QUANTITÉ CORRODÉE DANS UNE SOLUTION D'UN SEL NEUTRE (Relation between the Potential Variation of Metal and its Corrosion Weight Loss in Neutral Salt Solution). 16p. (Foreign text included) 8refs. CNRS-IX 37.
Order from OTS, ETC or CNRS $0.80 TT-62-28151

Trans. in French of Denki Kagaku (Japan), 1955, v. 23, no. 11, p. 570-574.

Krasnoyarski, V.V.
ÉTABLISSEMENT DE PROJETS DES INSTALLATIONS DE PROTECTION CONTRE LA CORROSION DES CANALISATIONS SOUTERRAINES (Designing of Devices for the Protection of Underground Pipelines from Corrosion). 24p. 10refs. CNRS-XXV 209.
Order from OTS, ETC, or CNRS $1.60 TT-62-26366

Trans. in French of Gazovaya Promyshlennost' (USSR) 1957, v. 2, no. 10, p. 24-32.

Mogilevskii, I. Z. and Linetskii, Ya. L
THE PHYSICAL AND CHEMICAL CHANGES IN THE SURFACE LAYERS OF STEELS AND ALLOYS AFTER ELECTRIC SPARK TREATMENT IN KEROSENE (Issledovanie Fiziko-Khimicheskikh Izmenenii v Poverkhnostnykh Sloyakh Stalei i Splavov Posle Elektroiskrovoi Obrabotki v Kerosine). Nov 63 [28p] 8refs RTS-2326.
Order from OTS, SLA, or ETC $2.60 TT-63-24623

Trans. of mono. Problemy Elektricheskoi Obrabotki Materialov, Moscow, 1960, p. 98-114. (Abstract available)

Rozenberg, L.A., Ulanovskii, I.B. and Korovin, Yu.M.
INFLUENCE DES BACTÉRIES SUR LA CORROSION DANS LES INTERSTICES DES ACIERS INOXYDABLES (Vliyanie Bakterii na Korroziyu Nerzhaveyushchikh Stalei v Uzkikh Zazorakh) (The Effect of Bacteria Upon the Corrosion of Rustless Steels in Narrow Clearances) 13p. (Foreign text included) 7refs. CNRS-XVII 509.
Order from OTS, ETC or CNRS $0.80 TT-62-28226

Trans. in French of Akademiya Nauk SSSR. Doklady, 1959, v. 125, no. 4, p. 909-912.

Usikov, M. P. and Utevskii, L. M.
DIRECT OBSERVATION OF THE INTERACTION OF DISLOCATIONS WITH SECOND PHASE PARTICLES.
26 Dec 63, 8p 14refs JPRS: 22471; N64-12093.
Order from OTS $0.50 TT-64-21132

Trans. of #Zavodskaya Laboratoriya (USSR) 1963, v. 29, no. 8, p. 944-948. (Abstract available)

NUCLEAR PHYSICS AND NUCLEAR CHEMISTRY

THE AGREEMENT TO BAN THE TESTING OF NUCLEAR WEAPONS [5 AUG 63] 31 Dec 63, 6p
JPRS: 22552.
Order from OTS $0.50 TT-64-21180

Trans. of Gigiena i Sanitariya (USSR) 1963 [v. 28] no. 10, p. 3-7.

APPLICATION OF TRANSIENT ELECTROCHEMICAL METHODS TO THE CHEMICAL ANALYSIS OF PRODUCTS CONCERNING NUCLEAR CHEMISTRY.
Quarterly rept. no. 8, 1 Apr-30 Jun 62. [1963] 24p
Contract 018-60-7-RDB
Order from OTS, SLA, or ETC $2.60 EURAEC-400

Trans. of a rept. from Brussels Free U. (Belgium) n.d. (Abstract available)

EAST EUROPEAN SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 1. 8 Jan 64, 5p
JPRS: 22653.
Order from OTS $0.50 TT-64-21236

Abstract trans. of Kernenergie (East Germany) 1963, v. 6, no. 11, p. 595-654.

Karnaukhov, V. A., Ter-Akopyan, G. N., and Subbotin, V. G.
EXPERIMENTS FOR THE DETERMINATION OF PROTON RADIOACTIVITY IN NUCLEI. Feb 63 [15]p. 6 refs.
Order from OTS, SLA,or ETC $1.60 UCRL Trans-919

Trans. of Joint Inst[itute] for Nuclear Research, Dubna (USSR) P-1072, 1962. (Abstract available)

Martynov, N. P., Bochkarev, V. A., and Lbov, A. A.
ENRICHMENT OF U^{235} BY THE SZILARD-CHALMERS METHOD, USING URANYL DIBENZOYL METHANE (Obogashchenie U^{235} po Metodu Stsilarda-Chalmersa pri Ispol'zovanii Uranil-Dibenzoilmetana). 1963, 3p 9refs PL-480 AEC.
Order from OTS $2.75 in AEC-tr-4580 (p. 297-299)

Trans. of Radiokhimiya (USSR) 1961, v. 3, no. 4, p. 508-509. (Abstract available)

Instruments and Installations

Braunersreuther, E., Chabaud, V., Delorme, C., and Morpurgo, M.
QUADRUPOLE MAGNETIC LENSES: THE CERN DEVICE FOR FOCUSING THE BEAM OF μ MESONS R. Mudge, tr. Aug 62 [59p] 5refs CERN-61-12.
Order from OTS, SLA, or ETC $5.60 UCRL-Trans-864

Trans. of a rept. from Centre Europeen de Recherche Nucléaire, Geneva (Switzerland) 1961, Apr 11.

Keirim-Markus, I. B., Kovalev, E. E., Sergeeva, N. A., and Uspenskii, L. N.
MEASURING THE DOSES OF RADIATION RECEIVED BY YU. A. GAGARIN AND G. S. TITOV AT THE TIME FOR FIRST SPACE FLIGHTS. 6 Nov 63 [5p] 8refs FTD-TT-63-1017.
Order from OTS, SLA, or ETC $1.10 TT-64-13104

Unedited rough draft trans. of Iskusstvennye Sputniki Zemli (USSR) 1963, v. 15, p. 102-103. (Abstract available)

Nuclear Engineering and Power

AN ADVANCED RESEARCH PROGRAM ON THE APPLICATION OF STEAM-WATER SPRAY TO THE COOLING OF LIGHT WATER REACTORS. CAN-2 Quarterly rept. no. 4, 1 Apr-30 Jun 62. [1963] 13p CISE R 60.
Contract 060.61.7-RDI
Order from OTS, SLA, or ETC $1.60 EURAEC-401

Trans. of a rept. from Centro Informazioni Studi Esperienze, Milan (Italy) 27 Jul 62. (Abstract available)

AN ADVANCED RESEARCH PROGRAM ON THE APPLICATION OF STEAM-WATER SPRAY TO THE COOLING OF LIGHT WATER REACTORS. CAN-2 Quarterly rept. no. 5, 1 Jul-30 Sep 62. CISE R-64.
Contract 060.61.7-RDI
Order from OTS, SLA, or ETC $1.60 EURAEC-475

Trans. of a rept. from Centro Informazioni Studi Esperienze, Milan (Italy) Oct 62. (Abstract available)

BASIC STUDY OF THE IN-PILE BEHAVIOR OF PLUTONIFEROUS MATERIALS. Quarterly rept. no. 3, 1 Apr-30 Jun 62. [1963] 22p BN-6207-03.
Contract 078-61-12 RDB
Order from OTS, SLA, or ETC $2.60 EURAEC-410

Trans. of a rept. from Societe Belge pour l'Industrie Nucléaire, Brussels, Jul 62. (Abstract available)

BASIC STUDY OF THE IN-PILE BEHAVIOR OF PLUTONIFEROUS MATERIALS. Quarterly rept. no. 4, 1 Jul-30 Sep 62. [1963] 42p 6refs BN-6210-02.
Contract 078-61-12 RDB
Order from OTS, SLA, or ETC $4.60 EURAEC-491

Trans. of a rept. from Société Belge pour l'Industrie Nucléaire, Brussels and Centre d'Étude de l'Énergie Nucléaire, Brussels, Oct 62. (Abstract available)

DEVELOPMENT PROGRAM ON THE APPLICATION OF STEAM-WATER SPRAY TO REACTOR COOLING. CAN-3 Quarterly rept. no. 3, 1 Jul-30 Sep 62. [1963] 13p CISE R-65.
Contract 056.62.1-RDI
Order from OTS, SLA, or ETC $1.60 EURAEC-476

Trans. of a rept. from Centro Informazioni Studi Esperienze, Milan (Italy) Oct 62. (Abstract available)

ELECTROSLAG WELDING OF REACTOR STEELS [AND] APPENDIX 3: ELECTROSLAG WELDING (BIBLIOGRAPHY). Quarterly rept. no. 5, 1 Jul-30 Sep 62. [1963] [12p] 119refs
Contract 046-61-3 RDA
Order from OTS, SLA, or ETC $1.60 EURAEC-470

Trans. of a rept. from [Schweisstechnische Lehr- und Versuchanstalt] Duisburg (West Germany) 25 Oct 62.

FISSION GAS RELEASE FROM URANIUM DIOXIDE. Quarterly rept. no. 8, Oct-Dec 62. [1963] 15p FN-E-30.
Contract 011-60-9 RDI
Order from OTS, SLA, or ETC $1.60 EURAEC-568

Trans. of a rept. from FIAT, S. A., Turin (Italy) 31 Jan 63. (Abstract available)

HYDRODYNAMIC INSTABILITIES LIMITING THE POWER OF BOILING WATER REACTORS. Quarterly rept. no. 2, 15 Jun-15 Sep 62. [1963] 22p
Contract 076-61-12 RDF (4519r)
Order from OTS, SLA, or ETC $2.50 EURAEC-465

Trans. of a rept. from Centre d'Études Nucléaires, Grenoble (France) 1 Oct 62. (Abstract available)

[IMPROVING THE] SINTERING OF URANIUM OXIDE WITH A VIEW TO INCREASING ITS THERMAL CONDUCTIVITY. Quarterly rept. no. 1. [1962] 22p 16refs
Supersedes TID-12479.
Contract 004-60-3 RDF
Order from OTS, SLA or ETC $2.60 EURAEC-5(rev.)

Trans. of a rept. from Compagnie Générale de Télégraphie sans Fil, Paris (France) 29 Jun 60.

IMPROVEMENT OF HEAT TRANSFER IN NUCLEAR REACTORS WITH BOILING WATER. Quarterly rept. no. 10, 3d quarter 1962. [1963] 20p
Contract 058-61-7 RDF
Order from OTS or SLA $1.60 EURAEC-469

Trans. of a rept. from Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Suresnes (France) Oct 62.

MICROGRAVIMETRIC INVESTIGATION INTO THE MECHANISMS OF CORROSION OF REACTOR MATERIALS IN THE PRESENCE OF NUCLEAR RADIATION. Quarterly rept. no. 4, 1 Oct-31 Dec 62. [1963] 27p
Contract 071-61-12 RDD
Order from OTS, SLA, or ETC $2.60 EURAEC-569

Trans. of a rept. from Battelle-Institut e.V., Frankfurt-am-Main (West Germany) n.d. (Abstract available)

SINTERED URANIUM OXIDE, SINTERING TECHNIQUES [AND] BEHAVIOR UNDER IRRADIATION. Quarterly rept. no. 6, 1 Jan-31 Mar 62. [1962] 81p
Contract 031-60-10 RDF
Order from OTS, SLA, or ETC $8.10 EURAEC-322

Trans. of a rept. from Commissariat à l'Énergie Atomique, Paris (France) n.d. (Abstract available)

SINTERED URANIUM OXIDE, SINTERING TECHNIQUES [AND] BEHAVIOR UNDER IRRADIATION. Quarterly rept. no. 7, 1 Apr-30 Jun 62. [1963] 62p
Contract 031-60-10 RDF
Order from OTS, SLA, or ETC $6.60 EURAEC-3[illegible]

Trans. of a rept. from Commissariat à l'Énergie Atomique, Paris (France) n.d. (Abstract available)

SINTERED URANIUM OXIDE, SINTERING TECHNIQUES [AND] BEHAVIOR UNDER IRRADIATION. Quarterly rept. no. 8, 1 July-30 Sep 62. [1963] 51p
Contract 031-60-10 RDF
Order from OTS, SLA, or ETC $5.60 EURAEC-47[illegible]

Trans. of a rept. from Commissariat à l'Énergie Atomique, Paris (France) n.d. (Abstract available)

STATISTICAL METHODS FOR HOT CHANNEL AND HOT SPOT CALCULATION. Quarterly rept. [8] 1 Oct-31 Dec 62. [1963] 8p FN-E-31.
Contract 035-60-11 RDI
Order from OTS, SLA, or ETC $1.10 EURAEC-584

Trans. of a rept. from FIAT, S.A., Turin (Italy) 31 Jan 63. (Abstract available)

THE USE OF PLUTONIUM AS FUEL IN NUCLEAR REACTORS [AND] PRELIMINARY RESEARCH TO THE PRODUCTION OF ZIRCONIUM ALLOY POWDERS BY MEANS OF IGNEOUS ELECTROLYSIS. Quarterly rept. no. 7 (including appendix I by SERAI and annex V, 1 Jan-31 Mar 62. [1963] 134p 3refs BN-6204-08.
Contract 027-60-7 RDB
Order from OTS, SLA, or ETC $10.50 EURAEC-307

Trans. of a rept. from Societe Belge pour l'Industrie Nucleaire, Brussels; Centre d'Etude de l'Energie Nucleaire, Brussels (Belgium) and Brussels Free U. (Belgium) Apr 62.

WELDING OF LARGE-THICKNESS STEELS. Special rept. no. 4 on proposal 255. [1963] 32p
Contract 042-61-9 RDB
Order from OTS, SLA, or ETC $3.60 EURAEC-486

Trans. of a rept. from Ghent U. (Belgium) n.d.

WELDING OF VERY THICK STEELS. Quarterly rept. no. 2 on proposal 255, 1 Jan-31 Mar 62. [1963] 152p
Contract 042-61-9 RDB
Order from OTS, SLA, or ETC $11.50 EURAEC-330

Trans. of a rept. from Soudametal Co. Ltd., Brussels (Belgium) and Ghent U. (Belgium) n.d. (Abstract available)

WELDING OF VERY THICK STEELS. Quarterly rept. no. 3 on proposal 255, 1 Apr-30 Jun 62. [1963] 219p
Contract 042-61-9 RDB
Order from OTS, SLA, or ETC $14.50 EURAEC-378

Trans. of a rept. from Soudametal Co. Ltd., Brussels (Belgium) and Ghent U. (Belgium) n.d. (Abstract available)

WELDING OF VERY THICK STEELS. Quarterly rept. no. 4 on proposal 255, 1 Jul-30 Sep 62. [1963] 208p
Contract 042-61-9 RDB
Order from OTS, SLA, or ETC $14.00 EURAEC-459

Trans. of a rept. from Ghent U. (Belgium) and Soudametal Co. Ltd., Brussels (Belgium) n.d. (Abstract available)

Aleksandrov, A. and Golobachev, V.
SOVIET NUCLEAR POWER ENGINEERING: THE ATOM IN PLACE OF COAL [AND] THE NOVO-VORONEZH ATOMIC POWER STATION. 21 Jan 64, 7p JPRS: 22827.
Order from OTS $0.50 TT-64-21347

Trans. from Izvestiya (USSR) 1964, 7 Jan and Pravda, Moscow (USSR) 1963, 23 Dec.

Casagrande, I., Cravarolo, L., Hassid, A., and Silvestri, M.
EVALUATION AND INTERPRETATION OF THE EXPERIMENTS ON ADIABATIC TWO-PHASE FLOW. CAN-1 Technical Rept. no. 4 on Adiabatic Two-phase Flow. [1963] 137p CISE R-43.
Order from OTS, SLA, or ETC $10.50 EURAEC-445

Trans. of a rept. from Centro Informazioni Studi Esperienze, Milan (Italy) May 62. (Abstract available)

Himmelstein, P., Hoppe, W., Kroll, H., Liebmann, B., and Neumann, O.
PRODUCTION OF SWAGED FUEL ELEMENTS. Quarterly rept. no. 9, 1 Jul-30 Sep 62. [1963] 40p
Contract 062-61-7 RDD
Order from OTS, SLA, or ETC $3.60 EURAEC-461

Trans. of a rept. from Nuklear-Chemie und -Metallurgie G.m.b.H., Wolfgang bei Hanau a.M. (West Germany) n.d. (Abstract available)

Hofmann, F., Kroll, H., and Liebmann, B.
FABRICATION OF OXIDE FUEL ELEMENTS USING THE SWAGING PROCESS. Quarterly rept. no. 4, 1 Apr-30 Jun 61. [1963] 8p
Contract EUR/C/2770/61 e
Order from OTS, SLA, or ETC $1.10 EURAEC-117

Trans. of a rept. from Nuklear-Chemie und -Metallurgie G.m.b.H., Wolfgang bei Hanau a.M. (West Germany) n.d. (Abstract available)

Komarovskii, A. N.
CONSTRUCTION OF NUCLEAR INSTALLATIONS, BKS. 1-2. May 63, 594p 277refs
Order from OTS $6.50/2 bks. AEC-tr-5640

Trans. of mono. Stroitel'stvo Yadernyak Ustanovok, Leningrad, 1961.

Schmidt, H. E.
THERMAL CONDUCTIVITY MEASUREMENTS AT HIGH TEMPERATURES. Special rept. no. 3 on Project 210. [1962] 25p
Contract 037-60-12 RDF
Order from OTS, SLA, or ETC $2.60 EURAEC-415

Trans. of a rept. from Commissariat à l'Énergie Atomique, Paris (France) Jun 62. (Abstract available)

Waste Disposal

RESEARCH ON WATER TREATMENT AND RADIOACTIVE WASTE. Quarterly rept. no. 9, 1 Apr-30 Jun 62. [1963] 33p
Contract 048-61-4-RDB
Order from OTS or SLA $3.60 EURAEC-367

Trans. of a rept. from Centre d'Étude de l'Énergie Nucléaire, Mol (Belgium) n.d. (Abstract available)

RESEARCH [ON] WATER AND RADIOACTIVE RESIDUE TREATMENT. Quarterly rept. no. 10, 1 Jul-30 Sep 62. [1963] 32p
Contract 048-61-4-RDB
Order from OTS, SLA, or ETC $3.60 EURAEC-443

Trans. of a rept. from Centre d'Étude de l'Énergie Nucléaire, Mol (Belgium) n.d. (Abstract available)

PHYSICS

ABSTRACTS PERTAINING TO COMMUNIST CHINA IN SOVIET ABSTRACTS JOURNALS NO. 115 (PHYSICS SERIES). 31 Dec 63, 8p JPRS: 22500.
Order from OTS $0.50 TT-64-21153

Trans. of selected abstracts from Referativnyi Zhurnal. Fizika (USSR) 1963, nos. 3-4, 7.

LUMINESCENCE OF COMPLEX MOLECULES: ANNOTATED BIBLIOGRAPHY JUL-DEC 62. Rept. no. 1 on AID Work Assignment no. 41. 30 Dec 63 [78p] 145refs AID Rept. B-63-125.
Order from OTS, SLA, or ETC $7.60 TT-64-13296

(Abstract available)

UNIVERSAL SOUND ENGINEERING TABLE 35-UZMS-1 3 Oct 63 [4p] FTD-TT-63-859.
Order from OTS, SLA, or ETC $1.10 TT-64-13061

Unedited rough draft trans. of mono. (specification) Universal'nyi Zvukomontazhnyi Stol 35-UZMS-1, Odessa, n.d., p. 2.

USSR SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 7. 22 Jan 64, 145p JPRS: 22856.
Order from OTS $2.75 TT-64-21366

Consists of abstracts of articles from USSR scientific and technical journals.

Mikhailovskii, A. B. and Rudakov, L. I.
STABILITY OF A SPATIALLY INHOMOGENEOUS PLASMA IN A MAGNETIC FIELD. [1963] 15p 7refs MATT Trans-1.
Order from OTS or SLA $1.60 TT-63-23331

Trans. of a Russian article from an unidentified source, 1962(?) (Abstract available)

Nazarov, N. I., Ermako, A. I., Tolok, V. T., and Sinel'nikov, K. D.
STUDY OF INSTABILITY IN THE CYCLOTRON METHOD OF PLASMA HEATING, tr. by Carl Demrick 17 May 62 [10p] 5refs MATT Trans-5.
Order from OTS, SLA, or ETC $1.10 TT-63-23459

Trans. of mono. (paper) from the Conference on the Physics of Plasma and on the Problem of Controlled Thermonuclear Reactions (no. 3) Kharkov, 1952. (Abstract available)

Slepyan, L. I.
ON THE DISPLACEMENT OF A DEFORMABLE BODY IN AN ACOUSTIC MEDIUM. 18 Dec 63, 11p 2refs JPRS: 22344.
Order from OTS $0.50 TT-64-21054

Trans. of #Prikladnaya Matematika i Mekhanika (USSR) 1963, v. 27, no. 5, p. 918-923. (Abstract available)

Veldre, V., Iolin, E., and Karule, E.
IONIZATION OF HYDROGEN ATOM NEAR THE THRESHOLD. 9 Oct 63 [7p] FTD-TT-63-868.
Order from OTS, SLA, or ETC $1.10 TT-64-13117

Unedited rough draft trans. of A[kademiya] N[auk] Latviiskoi SSR [Riga]. Izvestiya, 1962, no. 6(179) p. 67-71.

Zhernovoi, A. I. and Latyshev, G. D.
FREQUENCY DEPENDENCE OF A NUCLEAR PARAMAGNETIC MASER ON ITS PARAMETERS
B. W. Kuvshinoff, tr. 23 Sep 63, 9p 9refs APL/JHU TG 230-T401.
Contract NOw62-0604-c
Order from OTS $0.50 TT-63-11737

Trans. of Akad[emiya] Nauk Kaz[akhskoi] SSR [Alma Ata]. Inst[itut] Yadernoi Fiziki. Trudy, 1962, v. 5, p. 111-116. (Abstract available)

Ganz, D.
TEXTURE AND LOSS PROBLEMS IN SILICON IRON. July 62.
Order from BISI $2 15s BISI-2532

Trans. of Arbeitsgemeinschaft Ferromagnetismus. Berichte (West Germany) n.d., p. 59-65.

Kaganov, M.I. and Azbel, M.Ya.
CONDUCTIVITÉ DES COUCHES MINCES MÉTALLIQUES (Conductivity of Thin Metallic Films). 6p. CNRS-X 318
Order from OTS, ETC or CNRS $0.80 TT-62-28086

Trans. in French of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1954, v. 27, no. 6, p. 762-763.

Kondorskii, E.
STRUCTURE "MONOLOCALE" DES SUBSTANCES FERRO-MAGNÉTIQUES ET PROPRIÉTÉS MAGNÉTIQUE DES PRODUITS FORMÉS DE PARTICULES FINES (Odnodomennaya Struktura v Ferro-Magnetikakh i Magnitne Svoistva Melkodispersnikh Veshchestv) (Single-Domain Structure in Ferromagnetic Materials and Magnetic Properties of Microdispersed Substances) 8p. 5refs. CNRS-X 196.
Order from OTS, ETC or CNRS $0.80 TT-62-28116

Trans. in French of Akademiya Nauk SSSR. Doklady, 1950, v. 74, no. 2, p. 213-216.
Translations in English available from OTS or ETC $1.55 as 61-17289, and from LC or SLA mi$2.40 ph$3.30 as 60-14159 and from SLA as RT-2022, 10p.

Kurov, G.A. and Pinsker, Z.G.
RECHERCHES SUR LES COUCHES MINCES DE COMPOSITION VARIABLE DU SYSTÈME INDIUM-ANTIMOINE (Issledovanie Tonkikh Sloev Peremennogo Sostava Sistemy Indii-Sur'ma) (Thin Films of Varying Composition in the Indium-Antimony System). 19p. (Foreign text included) 12refs. CNRS-VIII bis 451.
Order from OTS, ETC or CNRS $0.80 TT-62-28148

Trans. in French of #Zhurnal Tekhnicheskoi Fiziki (USSR), 1958, v. 28, no. 1, p. 29-34.

Lebedev, S.A. and Khaikin, S.E.
CERTAINES ANOMALIES DANS LE COMPORTEMENT DES MÉTAUX CHAUFFÉS PAR DES IMPULSIONS DE COURANTS DE GRANDE DENSITÉ (Nekotorye Anomalii v Provedenii Metallov, Nagrevaemykh Impul'sami Toka Bol'shoi Plotnosti) (Some Anomalies in the Behaviour of Metals Heated by Current Pulses of Great Density). 35p. (Foreign text included) 8refs. CNRS-X 277.
Order from OTS, ETC or CNRS $1.25 TT-62-28082

Trans. in French of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1954, v. 26, no. 5, p. 629-639.
Trans. of exerpts in English available from LC or SLA mi$1.80, ph$1.80 as SCL-T-245.

Pekker, I.I.
CRITÈRES DE COMPARAISON ET DU CHOIX DES ÉLECTROAIMANTS (Criteria for Comparing and Selecting Electromagnets). 12p. 5refs. CNRS-X 532.
Order from OTS, ETC or CNRS $0.80 TT-62-28109

Trans. in French of Elektrichestvo (USSR) 1959, no.9, p.58-61

Valenta, L.
SUR LA THÉORIE DE L'AIMANTATION SPONTANÉE DES COUCHES MINCES (K Teorii Spontannoi Namagnichennosti Tonkikh Sloev) (Theory of the Spontaneous Magnetization of Thin Layers). 20p. (foreign text included). 10refs. CNRS-VIII bis 447.
Order from OTS, ETC or CNRS $0.80 TT-62-28147

Trans. in French of *Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1957, v.21, no.6, p.879-886.
Another trans. is available in English from CCT $8.00

Molecular Physics and Spectroscopy

Akimov, A. I.
A NOMOGRAM FOR USE IN SPECTRUM ANALYSIS OF RARE EARTH ELEMENTS BY THE ADDITION METHOD (Primenie Raschetnogo Graduirovochnogo Grafika pri Spektral'nom Analize Redkozemel'nykh Elementov po Metodu Dobavok). [1963] [9p] 7refs
Order from OTS, SLA, or ETC $1.10 TT-63-23706

Trans. of Optika i Spektroskopiya (USSR) 1957, v. 2, no. 6, p. 809-811.
Other translations are available from LC or SLA mi$1.80, ph$1.80 as TT-59-22380 [1959] 9p; in French from OTS or SLA $1.10 as TT-61-23821, CEA-tr-R853, 22 Mar 60 [9]p

For abstract see Technical Translations 3: 388, 1960.

Chiplis, I. V. and Ushpalis, K. K.
TREATMENT OF TWO-ELECTRON TRANSITIONS IN Th (K Voprosu o Teoreticheskom Izuchenii Dvukhelektronnykh Perekhodov v Th). 1963, 7p 7refs PL-480 Comm
Order from OTS $2.75 in TT-63-11135 (p. 197-203)

Trans. of Akademiya Nauk Litovskii SSR [Vilna]. Trudy, Seriya B, 1961, v. 2(25) p. 31-39. (Abstract available)

Chiplis, I. V. and Ushpalis, K. K.
TREATMENT OF TWO-ELECTRON TRANSITIONS WITH APPLICATION TO Cal (K Voprosu o Teoreticheskom Izuchenii Dvukhelektronnykh Perekhodov). 1963, 6p 12refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 191-196)

Trans. of Akademiya Nauk Litovskoi SSR [Vilna]. Trudy, Seriya B, 1961, v. 2(25) p. 23-30. (Abstract available)

Glembotskii, I. I. and Kuzmitskite, L. L.
APPROXIMATE ONE-ELECTRON WAVE FUNCTIONS FOR EXCITED LEVELS OF THE POSITIVE OXYGEN ION (Priblizhennye Odnoelektronnye Volnovye Funktsii dlya Vozbuzhdennykh Urovnei Polozhitel'nogo Iona Kisloroda). 1963, 12p 6refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 161-172)

Trans. of Akademiya Nauk Litovskii SSR [Vilna]. Trudy, Seriya B, 1960, v. 1(21) p. 87-98. (Abstract available)

Hennicke, Irmgard.
DETERMINATION OF REMISSION CURVES OF METAMERIC COLORS. [1963] 23p (figs refs omitted)
Order from SLA $2.60 TT-63-20967

Trans. of die Farbe (West Germany) 1958, v. 7, no. 1/3, p. 93-119.

Moshkovskii, Yu.Sh.
SPECTRES DE RÉSONANCE PARAMAGNETIQUE ÉLECTRONIQUE DES COLORANTS CYANINES (Electron Paramagnetic Resonance Spectra for the Cyanine Dyes). 6p. 7refs. CNRS-VIII bis 697
Order from OTS, ETC or CNRS $0.85 TT-62-26381

Trans. in French of Akademiya Nauk SSSR. Doklady, 1960, v.130, no.6, p.1277-1279.

Pilipenko, D. V. and Fogel', Ya. M.
ENTRAPMENT AND LOSS OF ELECTRON DURING PASSING OF FAST ATOMS IN MOLECULAR GASES. 18 Nov 63 [9p] 18refs FTD-TT-63-1055.
Order from OTS, SLA, or ETC $1.10 TT-64-13175

Unedited rough draft trans. of *Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1963, v. 44, no. 6, p. 1818-1822. (Abstract available)

Strotskite, T. D. and Yutsis, A. P.
TWO-CONFIGURATION APPROXIMATION FOR THE CALCIUM ATOM (Dvukhkonfiguratsionnoe Priblizhenie v Sluchae Atoma Kal'tsiya). 1963, 5p 13refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 224-228)

Trans. of Akademiya Nauk Litovskoi SSR [Vilna]. Trudy, Seriya B, 1961, v. 2(25) p. 93-98. (Abstract available)

Trapeznikov, V.A.
ANALYSE DE LA DENSITÉ ÉLECTRONIQUE RADIALE D'APRÈS LA STRUCTURE FINE DES SPECTRES D'ABSORPTION DES RAYONS - X (Determination of the Radial Electron Density from the Fine Structure of X-ray Absorption Spectra). 7p. 9refs. CNRS-X 517.
Order from OTS, ETC or CNRS $0.80 TT-62-28107

Trans. in French of *Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1959, v.23, no.5, p.582-585.

Yutsis, A. P., Vizbaraite, Ya. I., and Eringis, K. K.
COMPUTATION OF LINE STRENGTHS BY THE "EXTENDED METHOD" (Primenenie Rasshirennogo Metoda Rascheta dlya Opredeleniya Sily Spektral'nykh Linii). 1963, 6p 11refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 229-234)

Trans. of Akademiya Nauk Litovskoi SSR [Vilna]. Trudy, Seriya B, 1961, v. 3(26) p. 99-105. (Abstract available)

Zaidel, A. N., ed.
EMISSION SPECTRUM ANALYSIS OF ATOMIC MATERIALS, BKS. 1-2. 31 May 63, 714p 658refs
Order from OTS $7.50/2 bks. AEC-tr-5745

Trans. of mono. Emissionnyi Spektral'nyi Analiz Atomnykh Materialov, 1960, 686p. (Abstract available)

Optics

OPTICAL TRANSITION PROBABILITIES: COLLECTION OF RUSSIAN ARTICLES 1932-62.
A Barouch and others, trs. 1963, 258p 294refs PL-480 Comm.
Order from OTS $2.75 TT-63-11135

Trans. of 20 articles from selected Russian periodicals. Separate entries have been prepared for the individual articles.

Baburin, K. E.
THE CALCULATION OF REFLECTED LIGHT (Uchet Otrazhennogo Sveta)
G. L. Cairns, tr. Jan 63 [21p] 1ref DSIR Library Communication no. 1170.
Order from OTS, SLA, or ETC $2.60 TT-63-24221

Trans. of mono. Voprosy Stroitel'noi Fiziki v Proektirovanii: Sbornik Statei, Moscow/Leningrad, 1939.

Dvornikova, I. V. and Nagibina, I. M.
DETERMINATION OF THE DEGREE OF INHOMOGENEITY IN D-C AND A-C ARC DISCHARGES (Opredelenie Stepeni Neordnorodnosti Dugovogo Razryada Postoyannogo i Peremennogo Toka). 1963, 12p 10refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 141-152)

Trans. of Optika i Spektroskopiya (USSR) 1958, v. 4, no. 4, p. 421-429. (Abstract available)

Filippov, A. N.
TRANSITION PROBABILITIES FOR THE PRINCIPAL SERIES OF LITHIUM, PTS. I-II (Veroyatnosti Perekhodov Chlenov Glavnoi Serii Litiya). 1963, 87p 136refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 1-87)

Trans. of Gosudarstvennyi Opticheskii Institut. Trudy (USSR) 1932, v. 8, no. 85, p. 8-118.

Frish, S. E.
REABSORPTION OF LIGHT IN GAS DISCHARGE AND SOME OF ITS APPLICATIONS (Yavlenie Reabsorbtsii Sveta pri Gazovom Razryade i Nekotorye Ikh Primeneniya). 1963, 6p 4refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 88-93)

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1950, v. 14, no. 6, p. 711-715.

Frish, S. E. and Bochkova, O. P.
REABSORPTION METHODS FOR DETERMINATION OF TRANSITION PROBABILITIES AND LEVEL POPULATIONS (Metody Opredeleniya Veroyatnostei Perekhodov i Zaselennostei Urovnei po Reabsorbtsii Izlucheniya). 1963, 18p 13refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 204-221)

Trans. of Leningrad U. Vestnik (USSR) 1961 [v. 16] no. 16, Seriya Fizika i Khimii, no. 3, p. 40-58. (Abstract available)

Frish, S. E. and Bochkova, O. P.
REABSORPTION METHODS FOR DETERMINATION OF TRANSITION PROBABILITIES AND LEVEL POPULATIONS: SUPPLEMENT AND ERRATA (Dopolneniya i Ispravleniya k Stat'e: "Metody Orpedeleniya Veroyatnostei Perekhodov i Zaselennostei Urovnei po Reabsorbtsii Izlucheniya"). 1963, 2p PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 222-223)

Trans. of Leningrad U. Vestnik (USSR) 1962 [v. 17] no. 4 [Seriya Fizika i Khimii, no. 1] p. 73-74.

Kipper, A. Ya.
THEORY OF DOUBLE EMISSION OF LIGHT QUANTA BY THE HYDROGEN ATOM (Teoriya Dvoinogo Izlucheniya Svetovykh Kvantov dlya Atoma Vodoroda). 1963, 19p PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 94-112)

Trans. of [Tartuskaya Astronomicheskaya Observatoriya Publikatsii] (USSR) 1952, v. 32, no. 2, p. 63-93. (Abstract available)

Nagibina, I. M.
DETERMINATION OF THE CONCENTRATION OF ATOMS IN THE PLASMA OF AN A-C ARC FROM LINE WIDTHS (Orpedelenie Kontsentratsii Atomov v Plazme Dugovogo Razryada Peremennogo Toka po Shirine Spektral'nykh Linii). 1963, 8p 17refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 153-160)

Trans. of Optika i Spektroskopiya (USSR) 1958, v. 4, no. 4, p. 430-437. (Abstract available)

Petrashen', M. I. and Abarenkov, I. V.
SEMI-EMPIRICAL METHOD FOR CALCULATING OPTICAL TRANSITION PROBABILITIES IN UNIVALENT ATOMS (Poluempiricheskii Metod Rascheta Veroyatnosti Opticheskikh Perekhodov v Odnovalentnykh Atomakh). 1963, 7p 7refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 116-122)

Trans. of Leningrad U. Vestnik (USSR) 1954 [v. 9] no. 5, p. 141-148. (Abstract available)

Stepanov, B. I.
THE LIGHT FIELD WITHIN AN UNBOUNDED PLANE-PARALLEL LAYER UNDER GENERATION CONDITIONS
B. W. Kuvshinoff, tr. 25 Nov 63, 7p 4refs
APL/JHU TG 230-T376.
Contract NOw62-0604-c
Order from OTS $0.50 TT-64-11509

Trans. of Akademiya Navuk BSSR [Minsk]. Doklady, 1962, v. 6, no. 6, p. 355-359.

Solid State Physics

[Amelinckx, S. and others].
SWELLING OF URANIUM. Quarterly rept. no. 9, 1 Oct-31 Dec 62. [1963] 7p
Contract 087.62.4/RDB
Order from OTS, SLA, or ETC $1.10 EURAEC-548

Trans. of a rept. from Centre d'Etude de l'Energie Nucleaire, Mol (Belgium) n.d. (Abstract available)

Arkhangel'skaya, V.A. and Feofilov, P.P.
CINÉTIQUE DE LA LUMINESCENCE DES SELS ARGENTO- HALOÏDES (Kinetika Lyuminestsentsii Serebryanogaloidnykh - Solei) (Kinetics of Luminescence of Silver Halide Salts). 13p. (Foreign text included) 10refs.
CNRS-VIII bis 346.
Orde r from OTS, ETC or CNRS $0.80 TT-62-28158

Baudisch, Oskar and Welo, Lars A.
HYSTERESIS MEASUREMENTS AS A MEANS OF ASCERTAINING THE FINE STRUCTURE OF FERROMAGNETIC COMPOUNDS. [1963] 10p (figs tables omitted)
Order from SLA $1.10 TT-63-18999

Trans. of die Naturwissenschaften (Germany) 1926, v. 14, no. 46 [p. 1005-1011].
Another trans. is available on loan from SLA as TT-62-10261 [1961] 16p.

Biryukov, I.
THE EFFECT OF GAMMA-RADIATION ON THE SIGNAL INTENSITY OF NUCLEAR QUADRUPOLE RESONANCE, tr. by Ingeborg Baker. 23 Oct 62 [4p] 2refs [AMC] (Redstone) Trans. nr 38-62.
Order from OTS or SLA $1.10 TT-63-13018

Trans. of Akademiya Nauk Latviiskoi SSR [Riga]. Izvestiya, 1961, no. 3(164) p. 59-60. (Abstract available)

Borovskii, I. B.
ON THE SPECIAL FEATURES IN THE ELECTRON SPECTRUM OF SUPERCONDUCTING COMPOUNDS.
3 Jan 64, 12p 17refs JPRS: 22588; N64-12148.
Order from OTS $0.50 TT-64-21197

Trans. of [Akademiya Nauk SSSR]. Institut Metallurgii. Trudy, 1963, no. 15, p. 79-87.

Busch, G. and Tieche, Y.
ELECTRICAL RESISTIVITY AND HALL EFFECT IN MOLTEN METALS AND SEMICONDUCTORS (Resistivité Electrique et Effet Hall de Métaux et Semiconducteurs Fondus) D. A. Sinclair, tr. 1963, 31p 66refs NRC Technical Trans. 1099.
Order from NRC $2.00 NRC-C-4588

Trans. of Phys[ik der] Kondens[ierten] Materie (West Germany) 1963, v. 1, p. 78-104. (Abstract available)

Dobrolyubskii, A.
PHOTOSENSITIVITY AND SECONDARY ELECTRON EMISSION FROM OXYGEN CESIUM LAYERS IN DIFFUSION PROCESSES. [1963] [16p] AERDL T-1688.
Order from OTS or SLA $1.60 TT-63-23942

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1938, v. 8, no. 3, p. 226-231.

Dulov, A. A., Slinkin, A. A., Ligon'ky, B. I., and Rubinshtein, A. M.
THE SIGNIFICANCE OF CONJUGATION AND ORDERING ON THE SEMI-CONDUCTING PROPERTIES OF POLYMERS. [1963] [4p] 7refs [DSIR] NLL M. 10369.
Order from OTS, SLA, or ETC $1.10 TT-63-23507

Trans. of Akademiya Nauk SSSR. Doklady, 1962, v. 143, no. 6, p. 1355-1357. (Abstract available)
Another trans. is available from OTS or SLA $4.60 in TT-62-32446, JPRS-14888, 17 Aug 62 [44p].

Dunlap, W. C., [sic] Jr.
PROCESS OF PRODUCING P-N JUNCTIONS
F. H. B., tr. 8 Nov 63, 13p (figs omitted)
Order from OTS, SLA, or ETC $1.60 TT-63-24615

Trans. of Belgian patent 532,474, by S. E. M. Société d'Electricité et de Mécanique S. A. (Procédés Thompson-Houston, van den Kerchove & Carels) appl. 12 Oct 54, granted 30 Oct 54, pub. 14 Feb 58 (priority claimed: 13 Oct 53, U. S. A.). (Abstract available)

Dunlap, William Crawford [sic] Jr.
PROCESS OF PRODUCING P-N JUNCTIONS
F. H. B., tr. 8 Nov 63, 13p (figs omitted)
Order from OTS, SLA, or ETC $1.60 TT-63-24611

Trans. of French patent 1,113,385, gr. 12, cl. 6, internat. cl. H 01 1, by Compagnie Française Thomson-Houston, Appl. 12 Oct 54, granted 5 Dec 55, pub. 28 Mar 56 (priority claimed: 13 Oct 53, U. S. A.) (Abstract available)

Frimer, A. I.
ELECTRON MICROSCOPE STUDIES OF ANTIMONY CESIUMLAYERS. [1963] [9p] 1ref AERDL T-1690.
Order from OTS, SLA, or ETC $1.10 TT-63-23943

Trans. of A[kademiya] N[auk] SSSR. D[oklady] 1948, v. 63, no. 3, p. 255-257.

Ioffe, A.F., Aina petyants, S.V., and others.
AU SUJET DE L'AUGMENTATION DE L'EFFICACITÉ DES THERMOCOUPLES DE SÉMI CONDUCTEURS (On Increasing the Efficiency of Semiconductor Thermo couples). 4p. 1ref. CNRS-X 404.
Order from OTS, ETC or CNRS $0.80 TT-62-28078

Trans. in French of Akademiya Nauk SSSR. Doklady, 1956, v. 106, no. 6, p. 981.
A trans. is available in English from SLA as RT-4006, 2p.

Kikoin, I.K.
NOUVEL EFFET PHOTOMAGNÉTIQUE DANS LES SÉMI-CONDUCTEURS PLACÉS DANS UN CHAMP MAGNÉTIQUE NON UNIFORME (A New Photo-Magnetic Effect in Semiconductors Placed in a Non-Uniform Magnetic Field). 5p. 3refs. CNRS-X 251.
Order from OTS, ETC or CNRS $0.80 TT-62-28121

Trans. in French of Akademiya Nauk SSSR. Doklady, 1954, v. 96, no. 3, p. 463-464.
A trans. is available in English from SLA as RT-2332, 4p.

Leymonie, C. and Lacombe, P.
METHODS OF STUDYING SELF-DIFFUSION IN METALS BY MEANS OF RADIOISOTOPES (Méthodes d'Etude de l'Autodiffusion dans les Métaux à l'Aide des Radioisotopes) D. A. Sinclair. 1963, 31p 29refs
NRC Technical Trans. 1100.
Order from NRC $2.00 NRC-C-4608

Trans. of Int[ernational] J[ournal of] Appl[ied] Radiation and] Isotopes (England) 1959, v. 5, no. 3, p. 175-196. (Abstract available)

Lukyanov, S. Yu.
ÉMISSION ÉLECTRONIQUE SÉCONDAIRE DE CORPS SOLIDES (Secondary Electron Emission of Solids) 24p. 17 refs.
Order from OTS, ETC or CNRS $0.92 TT-62-28093

Trans. in French of Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya. 1944, v. 8, no.6, p. 330-339.

Misovic, Jelica.
A MODIFICATION OF BIJVOET'S METHOD FOR SOLVING THE STRUCTURE OF NON-CENTRO-SYMMETRICAL CRYSTALS. 1963, 4p 1ref PL-480 Comm.
Order from OTS $0.50 in TT-62-11757/4 (p. 13-16)

Trans. from [Srpsko] Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 4.

Myasnikov, I.A.
RELATION ENTRE L'ACTIVITÉ CATALYTIQUE ZnO ET SON ÉLECTROCONDUCTIVITÉ ET INFLUENCE DU RAYONNEMENT OPTIQUE SUR CES PROPRIÉTÉS (Svyaz Kataliticheskoi Aktivnosti Okisi Tsinka s Elektroirovodnosiyu i Vliyanie Opticheskogo Izlucheniya na eti Svoistva) (The Relation Between the Catalytic Activity of Zinc Oxide and its Electrical Conductivity and the Effect of Optical Radiation on these Properties). 24p. (Foreign text included) 5refs. CNRS-VIII bis 446.
Order from OTS, ETC or CNRS $0.95 TT-62-28146

Trans. in French of *Akademiya Nauk SSSR. Izvestiya, Seriya Fizicheskaya, 1957, v.21, no.2, p.192-200.

Nemilov, Yu.A. and Privalova, V.E.
PHOTOCATHODE EN ANTIMOINE-LITHIUM (Sur' Myano-Litievyi Fotokatod) (An Antimony Lithium Photocathode). 10p. (foreign text included). 4refs. CNRS-IX 35.
Order from OTS, ETC or CNRS $0.80 TT-62-28152

Trans. in French of #Zhurnal Tekhnicheskoi Fiziki (USSR) 1956, v.26, no.1, p.61-63.

Shalimova, K.V. and Mendakov, N.C.
PHOTOLUMINESCENCE DU SUBLIMAT-PHOSPHORE D'IODURE D'ARGENT (Fotolyuminestsentsiya Sublimat-Fosfora Iodistogo Serebra) (Photoluminescence of the Silver Iodide Sublimate Phosphor). 14p. (Foreign text included) 4refs. CNRS-VIII bis 347.
Order from OTS, ETC or CNRS $0.80 TT-62-28159

Trans. in French of Akademiya Nauk SSSR. Doklady, 1952, v.82, no.4, p.575-578.

Smirous, K.
INFLUENCE DES IMPURETÉS SUR LES PROPRIÉTÉS DE L'ANTIMONIURE D'ALUMINIUM (The Effect of Impurities on the Properties of Aluminum Antimonide). 5p. 7refs. CNRS-X 443.
Order from OTS, ETC or CNRS $0.80 TT-62-28073

Trans. in French of Chekhoslovatskii Fizicheskii Zhurnal. 1956, v.6, no.3, p.299-300.

Strukov, I.N. and Gel'd, P.V.
SUR LA DÉSAGRÉGATION DU "LEBOÏTE" (Eutectoid Decomposition of Lebeauite). 4p. 2refs. CNRS-XVII 583.
Order from OTS, ETC or CNRS $0.80 TT-62-28223

Trans. in French of *Fizika Metallov i Metallovedenie (USSR), 1957, v.4, p.190-191.

Vol'kenshtein, N.V. and Fedorov, G.V.
SUR LA MESURE DE L'EFFET HALL-KIKOÏNE (On the Measurement of the Hall-Kikoïne Effect). 4p. 3refs. CNRS-X 407.
Order from OTS, ETC or CNRS $0.80 TT-62-28079

Trans. in French of Fizika Metallov i Metallovedenie (USSR) 1956, v.2, no.2, p.377-388.

Zadumkin, S. N. and Khulamkhanov, V. Kh.
THE SURFACE ENERGY OF CERTAIN OXIDES, SULFIDES AND SELENIDES (Poverkhnostnaya Energiya Nekotorykh Okislov, Sul'fidov i Selenidov).
Dec 63, 5p 6refs NASA Technical Trans. F-167.
Order from OTS $0.50 TT-64-11500

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Fizika (USSR) 1962, no. 4, p. 112-114. (Abstract available)

Zernov, D.V.
INFLUENCE DES CHAMPS ÉLECTRIQUES PUISSANTS SUR L'ÉMISSION ÉLECTRONIQUE SECONDAIRE DES PELLICULES DIÉLECTRIQUES MINCES (Influence of Powerful Electric Fields on the Secondary Emission of Electrons by Thin Dielectric Films). 9p. 11refs. CNRS-X 70
Order from OTS, ETC or CNRS $0.80 TT-62-28095

Trans. in French of Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1944, v. 8, no. 6, p. 352-356. Another trans. is available in English from SLA as RT-4578, 9p.

Theoretical Physics

Yanoukh, F.
SEMI-EMPIRICAL CALCULATION OF THE OSCILLATOR STRENGTHS OF DOUBLET COMPONENTS (Poluempiricheskii Metod Rascheta Sil Ostaillyatorov Komponent Dubletov). 1963, 7p 10refs PL-480 Comm.
Order from OTS $2.75 in TT-63-11135 (p. 123-129)

Trans. of Leningrad U. Vestnik (USSR) 1955, v. 10, no. 2, p. 135-142. (Abstract available)

Zeldovich, Ya.
POLARISATION DES QUANTA γ LORS DE LA DISPERSION DE COMPTON DE 180° (On the Polarization of Gamma Quanta in Compton Scattering at 180°). 8p. 6refs. CNRS-X 228.
Order from OTS, ETC or CNRS $0.80 TT-62-28118

Trans. in French of Akademiya Nauk SSSR. Doklady, 1952, v.83, no.1, p.63-66.

Thermodynamics

Gerasimov, Ya.I., Vasil'eva, I.A. and others.
ÉTUDE THERMODYNAMIQUE DES SOUSOXYDES DE TUNGSTENE AU MOYEN DE LA MESURE DE LA FORCE ÉLECTROMOTRICE À HAUTE TEMPÉRATURE (Issledovanie Termodinamiki Nizshikh Okisov vol' frama Metodom E.D.S. pri Vysokikh Temperaturakh) (The Use of the E.M.F. Method on Studying the Thermodynamics of Lower Tungsten Oxides at High Temperatures). 10p.(Foreign text included) 17refs. CNRS-VIII bis 669.
Order from OTS, ETC or CNRS $0.80 TT-62-28313

Trans. in studying of Akademiya Nauk SSSR. Doklady, 1960, v.134, no.6, p.1350-1352.

Gicquel, M. and Nadaud, L.
OPTICAL MEASUREMENT OF GAS TEMPERATURES UP TO 10,000°K (Mesure Optique des Températures des Gaz Pouvant Atteindre 10,000°K)
G. Michaud, tr. 1963, 16p 5refs
NRC Technical Trans. 1097.
Order from NRC $1.00 NRC-C-4593

Trans. of la Recherche Aéronautique (France) 1961, no. 84, p. 31-38. (Abstract available)

Novikov, I. I. and Voskresenskii, K. D.
APPLIED THERMODYNAMICS AND HEAT TRANSFER. 21 Jun 63 [677p] 76refs FTD-TT-63-17.
Order from OTS, SLA, or ETC $28.50 TT-63-24130

Unedited rough draft trans. of mono. [Prikladnaya Termodinamika i Teploperedacha] Moscow, 1961, 548p. (Abstract available)

Wave Propagation

Khurgin, Ya. I.
CERTAIN PROPERTIES OF RANDOM PULSE PROCESSES. 8 Oct 63 [10p] 5refs FTD-TT-62-1147.
Order from OTS, SLA, or ETC $1.10 TT-64-13105

Unedited rough draft trans. of mono. Trudy Vsesoyuznogo Soveshchaniya po Teorii Veroyatnosti i Matematicheskoi Statistike, Erevan, 1960, p. 72-78.

Lindh, Gunnar.
EFFECT OF UNDERWATER SHOCK WAVES CAUSED BY DETONATION ABOVE THE WATER SURFACE (Stotvagsverkan i Vatten vid Detonation ovanfor Vattenytan). [1963] [26p] 11refs
Order from OTS, SLA, or ETC $2.60 AEC-tr-5056

Trans. of K. Fortifikationsforvaltningen. Befästningsbyran, Stockholm (Sweden) no. B25 (also pub. in Tidskrift för Kustartilleriet (Sweden) 1961, no. 1). (Abstract available)

Mikhailova, G. A. and Kurakina, T. I.
PHASE VELOCITY OF ELECTROMAGNETIC WAVES IN THE RANGE 1-25 KCPS. 20 Sep 63 [8p] 8refs FTD-TT-63-807.
Order from OTS, SLA, or ETC $1.10 TT-63-24537

Unedited rough draft trans. of #Geomagnetizm i Aeronomiya (USSR) 1963, v. 3, no. 2, p. 223-226. (Abstract available)
Another trans. is available from OTS $0.50 as TT-63-11712, APL/JHU TG-230-T402, 5 Sep 63, 7p.

RESEARCH METHODS, TECHNIQUES AND EQUIPMENT

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: [SELECTED] TRANSLATIONS NO. 64. 31 Dec 63, 52p 40refs JPRS: 22529.
Order from OTS $1.50 TT-64-21173

Trans. (some partial) of Chung Hua Wai K'o Tsa Chih (Chinese People's Republic) 1963, v. 11, no. 8, p. 597, 599, 604, 607, 608, 610, 614, 616, 619, 623, 650-655, 658, 661, 663-665, 669; Hua Hsüeh T'ung Pao (Chinese People's Republic) 1963, no. 2, p. 26-33. (Abstract available)
Separate entries have been prepared for 2 articles.

NEWS OF THE ACADEMIES OF SCIENCES. 19 Dec 63, 78p JPRS: 22389.
Order from OTS $2.25 TT-64-21078

Trans. of 12 selected articles from 1963 issues of Russian newspapers and periodicals. (Abstract available)

NOMINATIONS FOR 1964 LENIN PRIZES. 19 Dec 63, 25p JPRS: 22375.
Order from OTS $0.75 TT-64-21069

Trans. of Izvestiya (USSR) 1963, 3 Dec, p. 3-4.

SCIENTISTS AND SCIENTIFIC ORGANIZATIONS OF THE UKRAINIAN SSR: [SELECTED ARTICLES]. 9 Dec 63, 36p JPRS: 22181.
Order from OTS $1.00 TT-63-41312

Trans. of Akademiya Nauk URSR, Kiev. Dopovidi, 1963, no. 7, p. 839-851, 973-979. (Abstract available)

TADZHIK ACADEMY OF SCIENCES DISCUSSES FUTURE PLANS. 18 Dec 63, 4p JPRS: 22349.
Order from OTS $0.50 TT-64-21059

Trans. from Kommunist Tadzhikistana (USSR) 1963, 5 Nov, p. 2.

Dumitrescu, D.
EVALUATION OF THE EFFECTIVENESS OF RUMANIAN SCIENTIFIC RESEARCH. 31 Dec 63, 7p JPRS: 22546.
Order from OTS $0.50 TT-64-21176

Trans. from Scienteia (Rumania) 1963, no. 6103, 11 Dec, p. 2.

Ivanov, B. V., Migirenko, G. S., Moletotov, I. A., Ombysh-Kuznetsov, S. O., and Soskin, V. L.
NOVOSIBIRSK SCIENTIFIC CENTER. 9 Jan 64, 198p JPRS: 22678.
Order from OTS $3.50 TT-64-21252

Trans. of mono. Novosibirskii Nauchnyi Tsentr, Novosibirsk, 1962, 207p. (Abstract available)

Mal'tsev, A. F.
NEW STAGE IN THE CONSOLIDATION OF SCIENTIFIC EFFORTS. 17 Dec 63, 3p JPRS: 22333.
Order from OTS $0.50 TT-64-21046

Trans. of Vestnik Vysshei Shkoly (USSR) 1963 [v. 21] no. 7, p. 32-34.

Lashkarev, V.
SCIENTIFIC RESEARCH AND ITS PRACTICAL APPLICATION. 20 Dec 63, 5p JPRS: 22398; N64-11922.
Order from OTS $0.50 TT-64-21085

Trans. from Izvestiya (USSR) 1963, 15 Oct, p. 5.

SOCIAL SCIENCES

DEVELOPMENTS IN PROGRAMMED TEACHING IN THE USSR. 26 Dec 63, 16p JPRS: 22460.
Order from OTS $0.50 TT-64-21124

Trans. of Vestnik Vysshei Shkoly (USSR) 1963, v. 21, no. 6, p. 27-35.
Separate entries have been prepared for the individual articles.

IMPROVEMENTS AND INNOVATIONS AT THE GOR'KII MILLING MACHINES PLANT. USSR Industrial Development: Soviet Metalworking equipment no. 92. 22 Jan 64, 17p JPRS: 22845.
Order from OTS $0.50 TT-64-21359

Trans. from Ekonomicheskaya Gazeta (USSR) 1963, no. 52[125] p. 30-32.

PUBLICATIONS FROM HIGHER EDUCATIONAL ESTABLISHMENTS ABOUT PROGRAMMED TEACHING. 26 Dec 63, 2p JPRS: 22460 (p. 15-16)
Order from OTS $0.50 in TT-64-21124 (p. 15-16)

Trans. of Vestnik Vysshei Shkoly (USSR) 1963, v. 21, no. 6, p. 35.

USSR INDUSTRIAL DEVELOPMENT: SOVIET REGIONAL ECONOMY NO. 93. 8 Jan 64, 30p JPRS: 22636.
Order from OTS $1.00 TT-64-21224

Trans. of 5 articles from OCT-Nov 63 issues of Russian journals and newspapers. (Abstract available).

Belopol'skaya, A. R.
THE EXPERIENCE OF APPLYING TEACHING ALOGORITHMS. 26 Dec 63, 9p JPRS: 22460 (p. 7-14)
Order from OTS $0.50 in TT-64-21124 (p. 7-14)

Trans. of Vestnik Vysshei Shkoly (USSR) 1963, v. 21, no. 6, p. 31-34.

Borodulina, M. K. and Lur'e, A. S.
PROGRAMMED TEACHING: EXERCISES BASED ON THE USE OF TECHNICAL MEANS. 26 Dec 63, 6p JPRS: 22460 (p. 1-6)
Order from OTS $0.50 in TT-64-21124 (p. 1-6)

Trans. of Vestnik Vysshei Shkoly (USSR) 1963, v. 21, no. 6, p. 27-30.

Shapovalenko, S. G.
PROGRAMMED TEACHING OF CHEMISTRY. 14 Jan 64, 16p 5refs JPRS: 22730.
Order from OTS $0.50 TT-64-21287

Trans. of Khimiya v Shkole (USSR) 1963, v. 18, no. 5, p. 18-27.

Siforov, V. and Novik, I.
CHARACTERISTICS OF CONTEMPORARY NATURAL SCIENCE KNOWLEDGE. 31 Dec 63, 16p JPRS: 22526.
Order from OTS $0.50 TT-64-21171

Trans. of Kommunist, Moscow (USSR) 1963, v. 40, no. 15, p. 114-123.

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BR-SOB/6388
Gavrilenko, Ye. T. and others.
PROGRAMMING FOR THE ELECTRONIC COMPUTER "URAL-1" (Programmirovaniye dlya elektronnoy vychislitel'noy mashiny "Ural-1) Moscow, Mashgiz, 1962. 295p. 8200 copies printed.

BR-SOV/6389
Terent'yev, Sergey Nikolayevich and Vitaliy Filippovich Kartavykh
TRIODE MICROWAVE TRANSMITTERS (Triodnyye peredatchiki detsimetrovykh voln). Kiyev, Gostekhizdat USSR, 1962, 345p. 8500 copies printed.

BR-SOV/6390
Golev, Konstantin Vladimirovich
CALCULATION OF RADAR RANGE (Raschet dal'nosti deystviya radiolokatsionnykh stantsiy) Moscow, "Sovetskoye radio", 1962. 204p. Errata slip inserted. 12,300 copies printed.

BR-SOV/6391
Kolenko, Yevgeniy Andreyevich
THERMOELECTRIC COOLING DEVICES (Termoelektricheskiye okhlaxhdayushchiye pribory) Moscow, Izd-vo AN SSSR, 1963. 190p. Errata slip inserted. 6500 copies printed.

BR-SOV/6399
Yakubaytis, Eduard Aleksandrovich
PRINCIPLES OF ENGINEERING CYBERNETICS (Osnovy tekhnicheskoy kibernetiki) Riga, Izd-vo AN LatSSR, 1962. 286p. Errata slip inserted. 15,000 copies printed.

BR-SOV/6400
Andrianov, Kuz'ma Andrianovich
POLYMERS WITH INORGANIC BACKBONES IN THE MOLECULES (Polimery s neorganicheskimi Glavnymi tsepyami molekul) Moscow, Izd-vo AN SSSR, 1962. 326p. Errata slip inserted. 4500 copies printed.

BR-SOV/6404
Godunov, Sergey Konstantinovich and Viktor Solomonovich Ryaben'kiy
INTRODUCTION TO THE THEORY OF DIFFERENCE SCHEMES (Vvedeniyev teoriyu raznostnykh skhem) Moscow, Fizmatgiz, 1962. 340p. 10,000 copies printed.

BR-SOV/6405
Mikhel'son, Vladimir Solomonovich
ELEMENTS OF COMPUTER MATHEMATICS (Elementy vychislitel'noy matematiki) Moscow, Vysshaya shkola, 1962. 269p. 25,000 copies printed.

BR-GER/6414
Raulien, Heinz
CYBERNETICS IN MILITARY AFFAIRS (Kybernetik im Militärwesen) Berlin, DMV, 1963. 246p. Errata slip inserted. 4000 copies printed.

BR-SOV/6417
Suslov, Nikolay Ivanovich and others.
NONMETALLIC MATERIALS; A HANDBOOK (Nemetallicheskiye materialy; spravochnik) Moscow, Mashgiz, 1962. 360p. Errata slip inserted. 32,000 copies printed.

TRANSLATIONS IN PROCESS

CORROSION OF METALS.
Korrozios Figyelo (Hungary) 1963, v. 3, no. 4/5, 100p.

PROBLEMS OF COSMOGONY, 1952-1960, VOLS. I-VII.
Voprosy Kosmogonii (USSR) 1952, v. 1; 1954, v. 2-3; 1955, v. 4; 1957, v. 5; 1958, v. 6; 1960, v. 7.
Full translation. Portions already translated elsewhere to be obtained and included.

PROBLEMS OF MENTAL DEVELOPMENT: SELECTED ITEMS.
Mono. Problemy Razvitiya Psikhiki, Moscow, 1959, p. 128-156, 267-316, 319-477, 495.

Akulov, N. S.
DISLOCATIONS AND PLASTICITY.
Mono. Dislokatsii i Plastichnost', Minsk, 1961, 115p. (co-published with Rajkamal Prakashan Private, Ltd., New Delhi).
To be published by CB after 2d quarter 64.

Alekseev, F. A.
NUCLEAR GEOPHYSICS, NO. 4.
Mono. Yadernaya Geofizika, Leningrad, 1963, 247p.
To be published by CB after 3d quarter 64.

Anan'ev, B. G.
SPACE PERCEPTION AND SPACE CONCEPTS.
Mono. Problemy Vospriyatiya Prostranstva i Prostranstvennykh Predstavlenii, Moscow, 1961, 200p.

Andrianov, D. P., Gendel'man, M. Z. and others.
ORGANIZATION, PLANNING, AND ECONOMICS IN THE AIRCRAFT INDUSTRY.
Mono. Organizatsiya, Planirovanie i Ekonomika Aviatsionnogo Proizvodstva, Moscow, 1963, 694p.

Gol'denblat, I. I. and Nikolaenko, N. A.
CALCULATIONS OF TEMPERATURE STRESSES IN NUCLEAR REACTORS.
Mono. Raschety Temperaturnykh Napryazhenii v Yadernykh Reaktorakh, Moscow, 1962, 158p.
To be published by CB after 3d quarter 64.

Grigorovich, V. L. and Dedyurin, A. I.
INVESTIGATIONS OF OXIDATION OF ALLOYS ON A NIOBIUM BASE.
Akademiya Nauk SSSR. Institut Metallurgii. Trudy, 1963, no. 12, p. 214-240.

Idrac, P.
EXPERIMENTAL STUDY ON SAILING FLIGHT.
Mono. Etudes Experimentales sur le Vol a Voile, Paris, 1931, 76p.

Klemparskaya, N. N. and others.
ANTIBACTERIAL IMMUNITY AND RADIORESISTANCE.
Mono. Antibakterial'nyi Immunitet i Radiorezistentnost' Moscow, 1963, 119p.

Kreitser, A. G.
REFERENCE BOOK ON MEDICAL INSTRUMENTS.
Mono. Spravochnik po Meditsinskim Privoram, Leningrad, 1962, 196p.

Kripyakevich, P. I. and Cherkashin, E. E.
SYSTEMATION OF BINARY INTERMETALLIC PHASES.
A[kademiya] N[auk] SSSR. Sektor Fiziko-Khimicheskogo Analiza. Izvestiya, 1954, v. 24, p. 59-123.

Kushul', M. Ya.
THE OSCILLATIONS OF ROTORS.
Mono. Avtokolebaniya Rotorov, Moscow, 1963, 168p.
To be published by CB after 4th quarter 64.

Langhans, Kurt.
NUCLEAR WEAPONS AND THEIR EFFECTS (Kernwaffen und Ihre Wirkungen).
Schriftenreihe Luftschutz (West Germany) 1961, no. no. 2, 126p.

Luriya, A. R.
HIGHER CORTICAL FUNCTION IN MAN.
Mono. V'isshie Korkov'ie Funktsii Cheloveka, Moscow, 1962, 432p.
To be published by CB after 2d quarter 64.

Malinin, S. I.
SECONDARY CHANGES OF ROCKS ASSOCIATED WITH COAL.
Mono. Vtorichn'ie Izmeneniya Porod, Vmeshchayushchikh Iskopaem'ie Ugli, Moscow, 1963, 164p.

Matsnev, V. N. and Gil', G. K.
MAIN LINE POSTAL COMMUNICATIONS USSR.
Mono. Magistral'naya Pochtavya Svaz SSSR, Moscow, 1963, p. 1-97.

Mewissen, D. J.
RADIOLESIONS, RADIOCANCERS AND CHEMICAL RADIO-PROTECTION: [SELECTED PART].
Mono. Radiolesions, Radiocancers, et Radioprotection Chimique, Brussels, 1961, p. 205-257.
Mono. Stantsii v Kosmose, Moscow, 1960, p. 42-46, 49-54, 66-68, 214-229, 234-238, 259-264, 272-275, 284-288, 291-299, 376-380.

Mikhailov, A.A.
STATIONS IN SPACE.
Mono. Stantsii v Kosmose, Moscow, 1960, p. 42-46, 49-54, 66-68, 214-229, 234-238, 259-264, 272-275, 284-288, 291-299, 376-380.

Mirkin, L. I.
HANDBOOK OF X-RAY STRUCTURAL ANALYSIS OF POLYCRYSTALLINE MATERIALS.
Mono. Spravochnik po Rentgenostrukturnomu Analizu Polikristallov, Moscow, 1961, 863p.
To be published by CB after 4th quarter 64.

Smirnov, M. V. and others.
ELECTROCHEMISTRY OF MELTED SALTS AND SOLID ELECTROLYTES.
[Akademiya Nauk SSSR.] Institut Elektrokhimii, Sverdlovsk. Trudy, 1963, no. 4, 116p.
To be published by CB after 3d quarter 64.

Zhiritskii, G. S.
GAS TURBINES OF AIRCRAFT ENGINES.
Mono. Gazovye Turbiny Aviatsionnykh Dvigatelei, Moscow, 1963, p. 1-608.

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1959, no. 9, p. 58-61	431
1959, no. 12, p. 35-39	409
Elektrokardiografiya v Sportivnoi Meditsine, Leningrad,	
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1963, p. 109-129, 162	367
Emissionnyi Spektral'nyi Analiz Atomnykh Materialov,	
1960, 686p.	432
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Etudes Experimentales sur le Vol a Voile, Paris,	
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Experientia (Switzerland)	
1955, v. 11, no. 7, p. 185-186	378
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1958, v. 7, no. 1/3, p. 93-119	431
Fasonnoe Lit'e po Vyplavlyaemym Modelyam, Moscow,	
1962, 158p.	422
FIAT, S.A., Turin (Italy)	
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1956, v. 2, no. 2, p. 377-388	434
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1963, v. 15, no. 4, p. 554-564	423
Fizika Oblakov, Leningrad,	
1961, 459p.	401
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1959, v. 5, no. 1, p. 110-118	377
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1962, v. 8, no. 5, p. 622-629	367
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Fizioterapiya v Kosmetike, Moscow,	
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Flotatsiya Rud Redkikh Metallov i Olova, Moscow,	
1960, p. 288-343	405
K. Fortifikationsforvaltningen. Befästningsbyran, Stockholm (Sweden) no. B25	435
Gazovaya Promyshlennost' (USSR)	
1956, no. 2, p. 7-10	406
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1963, v. 15, no. 5	398
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1963, v. 10, no. 27	421
1963, v. 10, no. 28	421
Institutul Politehnic, Lasi. Buletinul (Rumania)	
1955, v. 1(5) no. 1/2, p. 78-88	387
International Journal of Applied Radiation and Isotopes (England)	
1959, v. 5, no. 3, p. 175-196	434
Inzhenerno-Fizicheskii Zhurnal (USSR)	
1963, v. 6, no. 8, p. 118-119	413
Inzhenernyi Zhurnal (USSR)	
1963, v. 3, no. 2, p. 207-221	421
Iskoriscavanje i Popravljanje Slatina, Belgrade,	
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Iskusstvennye Sputniki Zemli (USSR) 1962, v. 12, p. 145-150	364
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1963, v. 16, p. 10-33	414
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Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1960, no. 4, p. 51-60	420
1961, no. 2, p. 17-25	421
Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1960, no. 8, p. 15-21	424
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Izvestiya Vysshikh Uchebnykh Zavedenii. Fizika (USSR) 1962, no. 4, p. 112-114	435
Izvestiya Vysshikh Uchebnykh Zavedenii. Geologiya i Razvedka (USSR) 1962, v. 5, no. 9, p. 29-42	404
Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR) 1962, v. 5, no. 4, p. 54-59	407
Izzledovanie Splavov Tsvetnykh Metallov (USSR) 1963, v. 4, p. 108-116	425
Joint Institute for Nuclear Research Dubna (USSR) 1962, P-1072	427
Kardiologia Polska, 1962, v. 5, no. 4, p. 287-304	372
Kazakhskii Nauchno-Issledovatel-skii Gidrometeorologicheskii Institut. Trudy (USSR) 1959, v. 10, p. 37-72	399
Kazakhstanskaya Pravda (USSR) 1963, 11 Oct, p. 2	407
Kemija u Industriji (Yugoslavia) 1955, v. 4, no. 2, p. 25-27	425
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Kibernetika v Meditsine i Fiziologii, Moscow, 1963, 119p.	370
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Kolloidnyi Zhurnal (USSR) 1960, v. 22, no. 1, p. 9-15	397
Kommunist, Moscow (USSR) 1963, v. 40, no. 15, p. 114-123	437
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Konservnaya i Ovoshchesushil'naya Promyshlennost' (USSR) 1963, v. 18, no. 8, p. 15-18	414
Korokovaya Regulyatsiya Vodno-Solevogo Obmena, Tashkent, 1963, p. 144-151	367
Korrozios Figyelo (Hungary) 1963, v. 3, no. 4/5, 100p.	B-13
Krasnaya Zvezda (USSR) 1963, 2 Apr, p. 3	414
Kruglye Plastinki i Obolochki Vrashcheniya, Moscow, 1961, 368p.	419
Laboratoire Central des Industries Electriques. Bulletin d'Information, 1962, no. 33, Sep.	411
Laboratornoe Delo (USSR) 1962, v. 8, no. 9, p. 15-19	370
1962, v. 8, no. 9, p. 55-59	375
1962, v. 8, no. 11, p. 15-17	366
Lehrbuch der Intoxikationen Stuttgart, 1906, v. 2, p. 41	377
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Leningrad U. Uchenye Zapiski (USSR) 1957, no. 190, p. 3-17	363
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1955, v. 10, no. 2, p. 135-142	435
1961, v. 16, no. 16, Seriya Fizika i Khimii, no. 3, p. 40-58	432
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1962, v. 17, no. 13, Seriya Matematik, Mekhaniki, i Astronomii, no. 3, p. 113-137	363
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Lyon Chirurgical (France) 1936, v. 33, p. 187-190	382
Magistral'naya Pochtavya Svaz SSSR, Moscow, 1963, p. 1-97	B-13
Magyar Kemiai Folyoirat (Hungary) 1963, v. 69, no. 10, p. 427-469; no. 11, p. 473-519	385
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Materie Plastiche (Italy) 1962, v. 28, no. 5, p. 563-569	416
Meditsinskaya Parazitologiya i Parazitarnye Bolezni (USSR) 1963, v. 22, no.1, p. 62-69	383
Meditsinskaya Promyshlennost' SSSR, 1963, v. 17, no. 10, p. 6-14	378
1963, v. 17, no. 10, p. 55-58	369, 370
1963, v. 17, no. 10, p. 62-64	369, 370
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Meditsinskii Zhurnal Uzbekistana (USSR) 1963, no. 5, p. 83-85	380
Medychnyi Zhurnal (USSR) 1941, v. 11, no. 1, p. 169-174	373
Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) 1963, v. 17, no.11, p. 36-38	415
Metallurg (USSR) 1963, v. 8, no. 7, p. 1-3, 6-39; no. 8, p. 3-39	C-158
1963, v. 8, no. 11, p. 1-3	424
Meteorologicke Zpravy (Czechoslovakia) 1963, v. 16, no. 3/4, p. 66-68	405
Meteorologiya i Gidrologiya (USSR) 1959, no. 4, p. 55-58	402
1962, no. 10, p. 34-36	402
Meteorologiya: Sbornik Statei (USSR) 1960, no. 1, p. 124-140	402
Mikroapparatura dlya Registratsii po Radio Nekotorykh Fiziologicheskikh Funktsii, Moscow, 1959	370
Mikrobiologichnyi Zhurnal (USSR) 1962, v. 24, no. 6, p. 32-36	368
Mikrobiologiya (USSR) 1937, v. 6, p. 131-157	370
1963, v. 32, no. 2, p. 193-203	370
1963, v. 32, no. 4, p. 582-597, 727-731	369
Molekulyarnaya Genetika i Deistvie Izluchenii na Nasledstvennost', Moscow, 1963, p. 3-12, 236-239	379
Monatshefte für Chemie (Austria) 1958, v. 89, p. 618-624	386
Moscow U. Vestnik. Seriya 2: Khimiya (USSR) 1962, v. 17, no. 3, p. 21-23	396
Moscow U. Vestnik. Seriya 3: Fizika, Astronomiya (USSR) 1963, v. 18, no. 5, p. 28-33	399
Moscow U. Vestnik. Seriya 5: Geografiya (USSR) 1963, v. 18, no. 2, p. 26-30	404
Moskovskoe Obshchestvo Ispytatelei Prirody. Byulleten'. Otdel Biologicheskii (USSR) 1963, v. 38(68), no. 2, p. 149-150	383
Muncitorul Sanitar (Rumania) 1963, v. 15, no. 40, 5 Oct, p. 3	377
1963, 23 Nov, p. 2	376
Nafta (Poland) 1957, v. 13, no. 4, p. 98-103	406
Nafta (Yugoslavia) 1959, v. 10, p. 337-339	715
Nasosy, Kompressory i Ventilyatory, Moscow, 1959, pt. 6, p. 144-145, 171	415
die Naturwissenschaften (Germany) 1926, v. 14, no. 46, p. 1005-1011	433
Nauchno-Issledovatel'skii Institut Gidrometeorologicheskogo Priboro-stroeniya. Trudy (USSR) 1959, v. 7, p. 3-24	399, 402
1959, v. 7, p. 25-35	399, 402
1959, v. 7, p. 36-51	399, 401
Nauchnye Doklady Vysshei Shkoly. Biologicheskie Nauki (USSR) 1963, no. 1, p. 125-127	369
Nauka Polska, 1962, v. 10, no. 5(41) p. 138-149	364
Neftyanoe Khozyaistvo (USSR) 1956, v. 34, no. 3,	403
1956, no. 11, p. 49-53	417
1957, v. 35, no. 10, p. 5-10	406
1956, v. 35, no. 10, p. 21-23	405
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1960, v. 38, no. 11, p. 11-13	417
1960, v. 38, no. 11, p. 30-33	406
Neurologia, Neurochirurgia i Psychiatria Polska, 1963, v. 13, no. 1	366
1963, v. 13, no. 1	371
Normy Isparenlya s Poverkhnosti Vodokhranilishch, Leningrad 1954, 212p.	399

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Novenytermesztes, Budapest, Sep 63, v. 12, no. 3	398
Novoe v Pnevmo-Gidravlicheskoi Avtomatike, Moscow, 1962, 160p.	415
Novoe v Zhizni, Nauke, Tekhnike. Seriya 4: Tekhnika (USSR) 1962, no. 9, p. 1-32	417
Novosibirskii Nauchnyi Tsentr, Novosibirsk, 1962, 207p.	436
Nowotwory (Poland) 1962, v. 12, no. 3	375
1962, v. 12, no. 4	380
Nuklear-Chemie und-Metallurgie G.m.b.H., Wolfgang-bei-Hanau a.M. (West Germany) n.d.	429
Oborudovanie dlya Obrabotki Tugoplavkikh Metallov v elektrovakuumnom Proizvodstve, Moscow/Leningrad, 1963, p. 1-80	422
Obrabatyvaemost' Rezaniem Zharoprochnykh i Titanovykh Splavov, Moscow, 1961, 244p.	422
Ogneupory (USSR) 1958, v. 23, no. 4, p. 150-153	414
1959, v. 24, no. 12, p. 571-572	416
Opredeliteli po Fauna SSSR, 1951, v. 38, pt. 1(378p)	382
Optika i Spektroskopiya (USSR) 1957, v. 2, no. 6, p. 809-811	431
1958, v. 4, no. 4, p. 421-429	432
1958, v. 4, no. 4, p. 430-437	432
Organizatsiya, Planivovanie i Ekonomika Aviatsionnogo Proizvodstva, Moscow, 1963, 694p.	B-13
Ortopediya, Travmatologiya i Protezirovanie (USSR) 1963, v. 24, no. 11, p. 21-23	382
Osnovnye Ponyatiya i Terminy Geokriologii (Merzlotovedeniya) Moscow, 1956	403
das Papier (West Germany) 1963, v. 17, no. 1, p. 1-5	407
1963, v. 17, no. 5, p. 191-196	419
Parazitologicheskii Sbornik (USSR) 1935, v. 5, p. 183-198	382
1951, v. 13, p. 343-354	362
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Parfumerie Moderne (France) 1934, v. 28, p. 31-33	378
Patent (Belgium) 532 474	433
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Patent (France) 498 304, add. 1	415
1 040 978	408
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Patent (France) add. 21 878	415
Patent (Germany) 1 065 401	390
Patent (Japan) pub. 30-2750	408
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38-6459	390
38-14711	390
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Patent (Poland) 44 923	410
Patent (USSR) 130 864-130 868	406
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146 792	410
146 815	413
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Patologia Polska, 1962, v. 13, no. 4	375
Patologicheskaya Fiziologiya i Eksperimental'naya Terapiya (USSR) 1959, v. 3, no. 4, p. 26-31	377
1963, v. 7, no. 3, p. 92-93	371
Pediatriya (USSR) 1963, v. 42, no. 11, p. 33-37	371
Pediatria Polska 1962, v. 37, no. 12	373
Pharmazeutische Zeitung Vereinigt mit Apotheker-Zeitung, (West Germany) 1947, v. 83, p. 423-425	378
Pharmazie (East Germany) 1950, v. 5, p. 276-278	378
Physik der Kondensierten Materie (West Germany) 1963, v. 1, p. 78-104	433
Polish Medical Journal, 1963, v. 2, no. 3, p. 291-296	380
1963, v. 2, no. 3, p. 297-303	366
1963, v. 2, no. 3, p. 304-323	372
1963, v. 2, no. 3, p. 324-332	372
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1963, v. 2, no. 3, p. 450-459	374
1963, v. 2, no. 3, p. 460-463	377
Polska Akademia Nauk. Wydzial Nauk Medycznych. Rozprawy, 1957, v. 2, no. 1, p. 137-192	374
Polski Przeglad Chirurgiczny, 1962, v. 34, no. 12	374
Polski Tygodnik Lekarski 1963, v. 18, no. 1, p. 1-4	366
Polski Archiwum Medycyny Wewnetrznej, 1962, v. 32, no. 11	378
1963, v. 33, no. 1	372
Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanofrafii. Nauchno-Teknicheskii Byulleten' (USSR) 1962, no. 2/3(20/21) p. 37-38	384
Poroshkovaya Metallurgiya (USSR) 1963, v. 3, no. 3, p. 99-103	422
1963, v. 3, no. 4, p. 3-5	422
Povyshenie Iznosoustoichivosti Detalei Mashin, Kiev, 1959, p. 120-128	423
Pravda, Moscow (USSR) 1963, 13 Oct, p. 2	407
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Prikladnaya Matematika i Mekhanika (USSR) 1963, v. 27, no. 5, p. 918-923	430
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Radiolesions, Radiocancers, et Radioprotection Chimique, Brussels, 1961, p. 205-257	B-13
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Trudy Vsesoyuznogo Soveshchaniya po Teorii Veroyatnosti Matematicheskoi Statistike, Erevan, 1960, p. 72-78	435
Tsentral'naya Aerologicheskaya Observatoriya. Trudy (USSR) 1962, no. 44, p. 15-37	400
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U.S. DEPARTMENT OF COMMERCE FIELD OFFICES

SERVE THE BUSINESS COMMUNITY

The Department of Commerce maintains Field Offices to enable the business community to avail itself locally of Government facilities designed to promote commerce. Working closely with various units in the Department and, when necessary, with other Government agencies, the Field Offices provide business services to manufacturers, wholesalers, retailers, trade publications, trade associations, advertising agencies, research groups, financial institutions, and exporters and importers.

Experienced personnel will gladly assist in the solution of specific problems, explain the scope and meaning of regulations administered by the Department, and provide practical assistance in the broad field of domestic and foreign commerce. Field Offices act as official sales agents of the Superintendent of Documents, and maintain an extensive business reference library containing periodicals, directories, publications and reports from official as well as private sources.

Among the many services which businessmen have found of value are:

GENERAL

- Management and business aids
- Establishing a new business

BASIC ECONOMIC DATA

- Census data with national and often State and regional breakdowns, on manufacturing wholesaling, retailing, service industries, employment and unemployment, population, housing, agriculture
- Basic records of national income and product, regional trends, balance of payments, foreign aid

MARKETING AND DISTRIBUTION

- Development and maintenance of markets
- Distribution channels, facilities and services
- Marketing and distribution statistics

PRODUCTION

- Modernization of plant processes and other technological aids
- Development of new products
- Government-owned patents for free license
- Commodity standards

FOREIGN TRADE AND INVESTMENT

- Tariff and exchange regulations
- Import and export quotas, licensing regulations
- Statistics on imports and exports
- Investment and trade opportunities abroad
- Economic conditions in foreign countries

COOPERATIVE OFFICES

To make the services of the Department of Commerce more widely available, agreements have been entered into with more than 750 Chambers of Commerce, Manufacturers Associations, and similar business groups under which these organizations have become official Cooperative Offices of the Department. If specific information is not on hand in the Cooperative Office, your problem will be referred to the nearest Departmental field office.

Department Field Offices

Albuquerque, N. Mex., 87101, U. S. Courthouse. 247-0311.
Anchorage, Alaska, 99501, Room 60, U.S. Post Office and Courthouse. Phone: BR 2-9611.
Atlanta, Ga., 30303, 75 Forsyth St., N.W. JAckson 2-4121.
Birmingham, Ala., 35203, Title Bldg., 2028 Third Ave., North. Phone: 323-8011.
Boston, Mass., 02110, Room 230, 80 Federal Street. CApitol 3-2312.
Buffalo, N.Y., 14203, 504 Federal Building, 117 Ellicott St., TL 3-4216.
Charleston, S. C., 29401, Suite 201, Marcus Building, 6 Broad Street. Phone: 722-6551.
Cheyenne, Wyo., 82001, 207 Majestic Bldg., 16th & Capitol Ave. Phone: 634-2731.
Chicago, Ill., 60606, Room 1302, 226 West Jackson Blvd. 828-4400.
Cincinnati, Ohio, 45202, 809 Fifth Third Bank Bldg., 36 E. Fourth Street. 381-2200.
Cleveland, Ohio, 44101, 4th Floor, Federal Reserve Bank Bldg., East 6th St. & Superior Ave. 241-7900.
Dallas, Tex., 75201, Room 3-104, Merchandise Mart, 500 South Ervay Street. RIverside 8-5611.
Denver, Colo., 80202, 142 New Custom House, 19th & Stout Street. 534-4151.
Detroit, Mich., 48226, 438 Federal Bldg. 226-6088.
Greensboro, N. C., 27402, Room 407, U. S. Post Office Bldg. 273-8234.
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Honolulu, Hawaii, 96813, 202 International Savings Bldg., 1022 Bethel St. 58831.
Houston, Tex., 77002, 5102 Federal Bldg., 515 Rusk Ave. CA 8-0611.
Jacksonville, Fla., 32202, 512 Greenleaf Building, 204 Laura Street. ELgin 4-7111.
Kansas City, Mo., 64106, Room 2011, 911 Walnut Street. BAltimore 1-7000.
Los Angeles, Calif., 90015, Room 450, Western Pacific Bldg., 1031 S. Broadway. 688-2830.
Memphis, Tenn., 38103, 212 Falls Building, 22 N. Front Street. JAckson 6-3426.
Miami, Fla., 33132, 408 Ainsley Bldg., 14 N. E. First Ave. FRanklin 7-2581.
Milwaukee, Wis., 53203, Straus Bldg., 238 W. Wisconsin Ave. Phone: BR 2-8600.
Minneapolis, Minn., 55401, Room 304, Federal Bldg., 110 South Fourth Street. Phone: 334-2133.
New Orleans, La., 70130, 1508 Masonic Temple Bldg., 333 St. Charles Avenue. Phone: 529-2411.
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Phoenix, Ariz., 85025, New Federal Bldg., 230 N. First Avenue. Phone: 261-3285.
Pittsburgh, Pa., 15222, 1030 Park Bldg., 355 Fifth Avenue. 471-0800.
Portland, Oreg., 97204, 217 Old U. S. Courthouse, 520 S. W. Morrison Street. 226-3361.
Reno, Nev., 89502, 1479 Wells Avenue. Phone: FA 2-7133.
Richmond, Va., 23240, 2105 Federal Building, 400 North 8th Street. Phone: 649-3611.
St. Louis, Mo., 63103, 2511 New Federal Building, 1520 Market Street. MAin 1-8100.
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San Francisco, Calif., 94011, Room 419, Customhouse, 555 Battery St. YUkon 6-3111.
Santurce, Puerto Rico, 00907, Room 628, 605 Condado Ave. Phone: 723-4640.
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